

Welcome to Hastings Plastics Moldmaking Materials

<u>HIGH STRENGTH SILICONE RUBBER</u>	<u>RTV 500</u>
<u>SELFSET</u>	<u>RTV 110-5</u>
<u>FASTSET</u>	<u>RTV 110-6</u>
<u>FASTSET</u>	<u>RTV 110-2A</u>
<u>SELFSET</u>	<u>RTV 110-1A</u>
<u>SELFSET</u>	<u>RTV 110-1A (SPANISH)</u>
<u>SILICONE CASTING RUBBER</u>	<u>RTV 100A (SPANISH)</u>
<u>SILICONE CASTING RUBBER</u>	<u>RTV 100A</u>
<u>MOLDELING CLAY</u>	
<u>ALGINATE</u>	<u>09-01-7</u>

Click on link to view the MSDS

HASTINGS PLASTICS COMPANY

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

PRODUCT DATA
MSDS MODELING CLAY
Issued 03/19/93

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MODELING CLAY

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
EMERGENCY PHONE NUMBER - (310) 829-3449
PRODUCT NAME - Modeling clay

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>CAS #</u>	<u>% BY WEIGHT</u>	<u>TLV(units)</u>
None			

SECTION III - PHYSICAL DATA

APPEARANCE, COLOR AND ODOR - Pliable Solid - no odor
SPECIFIC GRAVITY (H₂O=1) - 2.447
SOLUBILITY IN WATER - N/A
BOILING POINT - N/A
VAPOR PRESSURE - N/A
EVAPORATION RATE - N/A

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT, °F - 460
EXTINGUISHING MEDIA - Water, CO₂, class ABC dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES - None
UNUSUAL FIRE AND EXPLOSION HAZARDS - None

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - None
PRIMARY ROUTES OF ENTRY - None

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Get out of the eyes as any other foreign object.

SKIN: Wash with soap and water.

SECTION VI - REACTIVITY DATA

STABILITY - Stable.
HAZARDOUS POLYMERIZATION - Will not occur.
INCOMPATIBILITY - None Known

HAZARDOUS DECOMPOSITION
PRODUCTS - None

Molding Clay

Material Safety Data Sheet

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SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Pick up

WASTE DISPOSAL METHOD: Follow local rules

SECTION VIII - SPECIAL PROTECTION INFORMATION

None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store at room temperature

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

Prepared By: Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

PRODUCT DATA
MSDS RTV 100A
Revised 11/27/02
Issued 03/11/94

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RTV 100A

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFO/SALES - (310) 829-3449
EMERGENCY PHONE NUMBER -
24 Hours (800) 424-9300
PRODUCT NAME - RTV 100A
CHEMICAL NAME AND
SYNONYMS - Formulated silicone resin containing inert additives.
FORMULA - Proprietary
D.O.T. CLASSIFICATION - Not regulated

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>%</u>	<u>ACGIH/TLV</u>	<u>OSHA/PEL</u>
**Hydroxy Terminated Polydimethylsiloxane (CAS No. 70131-67-8)	50 - 60	N/A	N/A
Titanium Dioxide (CAS No. 13463-67-7)	3 - 6	N/A	N/A
Zinc Oxide (CAS No. 1314-13-2)	<u>Fume</u> 3	<u>Fume</u> 5 mg/m ³ - TWA 10 mg/m ³ - STEL	5 mg/m ³ - TWA 10 mg/m ³ - STEL
Silica (Quartz) (CAS No. 11099-06-2)	35 - 40	PEL=0.1 SiO ₂ per cubic meter of air (m ³)	

**This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR - White pourable liquids
BOILING POINT - Approx. 572^oF (300^oC) at 10013 mbar
MELTING/FREEZING POINT - -49^oF to -58^oF (-45^oC to -50^oC)
SPECIFIC GRAVITY (H₂O=1) - 1.4
SOLUBILITY IN WATER - Insoluble
VAPOR PRESSURE - Less than 100 mbar at 68^oF (20^oC)
VAPOR DENSITY - Not Established (Air=1)
V.O.C.'s IN GRAMS/LITER - 9.0 Grams

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT ^oF - Greater than 322^oF (161^oC); DIN 51758
AUTO-IGNITION TEMPERATURE - Greater than 362^oF (200^oC); DIN 51794
EXTINGUISHING MEDIA - Use water spray, carbon dioxide, dry chemical, or foam. Apply by manufacturers recommended technique.

SPECIAL FIRE FIGHTING
PROCEDURES

- Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SECTION V - HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE:

On the basis of animal toxicity testing, we expect this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. The product can form an oil film on the eyeball which may cause a temporary harmless and reversible clouding.

CHRONIC EFFECTS OF EXPOSURE:

No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY:

This product is not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: None known

EXPOSURE LIMITS.....: Not established for this product

EMERGENCY & FIRST AID PROCEDURES:

SWALLOWING

- If a significant quantity has been swallowed, give two glasses of water and induce vomiting.

SKIN

- Remove product mechanically, then wash with soap and water.

INHALATION

- Not an inhalation hazard due to an extremely low vapor pressure.

EYES

- Flush with water for at least 15 minutes. Call a physician if irritation occurs.

INGESTION

- If swallowed, call a physician.

SECTION VI - EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION

- Safety glasses or goggles.

SKIN PROTECTION

- Plastic or rubber gloves are recommended.

RESPIRATOR

- None required when handling at ambient temperatures.

VENTILATION

- No special requirements.

ADDITIONAL PROTECTIVE MEASURES-

- Emergency showers and eye wash stations should be available.

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RTV 100A

REVISED 11/27/02

SECTION VII - REACTIVITY DATA

STABILITY

- Stable.

HAZARDOUS POLYMERIZATION

- Will not occur.

INCOMPATIBILITIES

- None known

INSTABILITY CONDITIONS

- Excessive temperatures

- DECOMPOSITION TEMPERATURE - Not established
DECOMPOSITION PRODUCTS - Thermal decomposition may produce CO, CO₂, and oxides of silicon (SiO₂).

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Utilize protective clothing and equipment. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Clean up spills promptly to minimize slipping hazard.

WASTE DISPOSAL METHOD:

Waste disposal should be in accordance with existing federal, state, and local environmental regulations.

SECTION IX - SPECIAL PRECAUTIONS & STORAGE DATA

- STORAGE TEMP (MIN/MAX) - Ambient/Ambient
SHELF LIFE - 6 Months in closed container
SPECIAL SENSITIVITY - None known

HANDLING/STORAGE PRECAUTIONS:

Store in a dry place, away from excessive, in original or similar waterproof containers. Reseal containers immediately after use. Product may become electrostatically charged during filling and transferring. Make sure equipment is properly grounded.

SECTION X - SHIPPING INFORMATION

- D.O.T. CLASSIFICATION - None
TECHNICAL SHIPPING NAME - Silicone Rubber
D.O.T. HAZARD CLASS - Non-regulated
U.N./N.A. NUMBER - None
PRODUCT RQ (Lbs) - None
D.O.T. LABEL - Non-regulated
D.O.T. PLACARD - Non-regulated
FREIGHT CLASS BULK - Liquid Plastic N.O.S.
PREIGHT CLASS PACKAGE - Liquid Plastic N.O.S.

SECTION XI - ANIMAL TOXICITY DATA

ACUTE TOXICITY:

- ORAL LD50 - Greater than 5000 mg/kg (Rat) (1)
EYE EFFECTS - Non-irritating to rabbit eyes. (1)

SKIN EFFECTS - Non-irritating to rabbit skin. (1)
**AQUATIC TOXICITY - 200 mg/L (96 H) - LCo - Golden Orfe (Leuciscus idus).

**Tests at the Institute for Toxicology, Bayer AG, performed on a comparable product.

SECTION XII - FEDERAL REGULATORY INFORMATION**OSHA STATUS:**

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY

HAZARDOUS SUBSTANCES: None

SECTION 311/312

HAZARD CATEGORIES: Non-hazardous under Section 311/312

SECTION 313

TOXIC CHEMICALS: None

RCRA STATUS:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24).

SECTION XIII - OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states: other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT NAME		
/CAS NUMBER	CONCENTRATION	STATE CODE
Hydroxy Terminated Polydimethylsiloxane		
70131-67-8	Approx. 50-60%	PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients >1%

PA3 = Pennsylvania Non-hazardous present at 3% or greater

CALIFORNIA PROPOSITION 65

To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

MASSACHUSETTS SUBSTANCE LIST (MSL)

Hazardous substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

No Changes at this time

Prepared By: Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

PRODUCT DATA
MSDS RTV 100A
Revisó 12/10/92
Publicó 09/19/88

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RTV 100A

SECCION I - de la IDENTIFICACION del PRODUCTO

el NOMBRE de FABRICANTE - HASTINGS PLASTICS COMPANY
NUMERO del TELÉFONO de la EMERGENCIA
HASTINGS de la COMPAÑIA
de los PLASTICOS - (310) 829-3449
NOMBRE del PRODUCTO - RTV 100A
NOMBRE del QUIMICO Y
SINONIMOS - Formuló resina del [silicone] contiene inerte
FORMULA de los aditivos - Proprietary
D.O.T. CLASIFICACION - No reguló

SECCION II- de los INGREDIENTES PELIGROSOS

<u>COMPONENTES</u>	<u>%</u>	<u>ACGIH/TLV</u>	<u>OSHA/PEL</u>
**Hydroxy Terminó Polydimnethylsiloxane (CAS No. 70131-67-8)	N/A	50 - 60	N/A
Titanium bióxido (CAS No. 13463-67-7)	3 - 6	N/A	N/A
Zinc Oxido (CAS No. 1314-13-2)	3	<u>Humo</u> 5 mg/m ³ - TWA 10 mg/m ³ - STEL	<u>Humo</u> 5 mg/m ³ - TWA 10 mg/m ³ - STEL
Silica (Cuarzo) (CAS No. 11099-06-2)	35 - 40	PEL=0.1 SiO ₂ [cu] del [per] M. de aire	

**Este producto contiene ningúnes ingredientes peligrosos como definieron bajo el criterio del OSHA Federal regla establecida de la Comunicación del Riesgo 29 CFR 1910.1200.

SECCION III- APARIENCIA del DATOS

FISICA Y OLOR - Pourable Blanco
PUNTO DE EBULLICION
de los líquidos - Approx. 572⁰F (300⁰C) at 10013 mbar
DERRITE /PUNTO de CONGELAR - -49⁰F to -58⁰F (-45⁰C to -50⁰C)
GRAVEDAD ESPECIFICA (H2O =1) -
1.4
SOLUBILIDAD EN AGUA - insoluble
PRESION del VAPOR - Menos que 100 [mbar] a 680F (200C)
DENSIDAD del VAPOR (Aire =1) -
No Estableció

SECCION IV- DATOS de la RIESGO de FUEGO Y EXPLOSION

PUNTO de ENCENDER ⁰F - más Grande que 322⁰F (161⁰C); DIN 51758
TEMPERATURA de la IGNICION
del automóvil - más Grande que 362⁰F (200⁰C); DIN 51794

MEDIDA de EXTINGUIR - Agua, Bióxido del carbono, Químico Seco, Espuma

PROCEDIMIENTOS ESPECIAL para COMBATE de FUEGO:

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Bomberos debe equipar con aparato de la respiración autosuficiente proteger contra tóxico del [potentially] y humos irritantes.

SECCION V- DATOS del RIESGO de la SALUD

AGUDO EFECTO de SOBRE EXPONER:

En la base de [toxicity] del animal experimenta, esperamos este producto estar [non] irritante a los ojos y piel y esencialmente tóxico de la [non] por ingestión. El producto puede formar una membrana del aceite sobre el globo del ojo que debe causar un temporario inofensivo y reversible nublado.

EFFECTOS CRONICOS DE DESABRIGO:

No se fundó incumplir cualquier efectos de la salud adversos crónicos de [overexposure] a este producto información aplicable.

CARCINOGENICITY:

Este producto no lista por NTP, IARC, o reguló como un carcinógeno por OSHA.

CONDICIONES MÉDICAS

AGRAVAR POR EXPONER..... Ninguno sabe

EXPOSICION LIMITE..... No demuestre por este producto

EMERGENCIA & PRIMEROS PROCEDIMIENTOS de la AYUDA:

- TRAGAR - Con tal que una cantidad significativa ha tragado, dé dos vasos de agua e induce vomita.
- PIEL - Quita [mechanically] del producto, entonces lava con jabón y agua.
- INHALACION - No un riesgo de la inhalación pagadero a un extremadamente presión del vapor baja.
- OJOS - Enjuagar con agua por lo menos 15 minutos. Llame un médico si irritación ocurre.
- INGESTION - Si tragó, llama un médico.

SECCION VI- RECOMENDACIONES de la PROTECCION del EMPLEADO

- PROTECCION del OJO - Gafas de la Seguridad o Antiparras.
- PROTECCION de la PIEL - Plástico o se recomiendan guantes del caucho.
- RESPIRATOR - Ninguno requirió cuándo manipulación a ambiente temperaturas.
- VENTILACION - Ningunes requerimientos particulares.
- MEDIDAS de la PROTECCION del ADICIONAL - Banos de Emergencia y Estaciones de Lava Ojos esté disponible.

SECCION VII- DATOS de REACTIVITY

- ESTABILIDAD - Estable.
- POLYMERIZATION PELIGROSO - No ocurrirá.
- INCOMPATIBILIDADES - Ninguno conoce
- CONDICIONES de la INESTABILIDAD - Temperaturas Excesiva
- TEMPERATURA de la DESCOMPOSICION - No demostró
- PRODUCTOS de la

DESCOMPOSICION - Descomposición Termal debe producir CO, CO2, y óxidos de [silicon] (SiO2)

SECCION VIII- PROCEDIMIENTOS de DERRAMAMIENTO y GOTERA

PASOS a TOMAR en CASO QUE el MATERIAL sea SOLTADO o DERRAMADO:

Utilice ropa de la protección y maquinaria. Derramamientos deben tomar con absorbente satisfactorio y puso en recipientes. Area del derramamiento puede lavar con agua. Coleccion de agua para disposición aceptada. Limpie pronto los derramamientos para empequeñecer riesgo di resbalar.

MÉTODO de la DISPOSICION INUTIL:

Disposición inútil debe estar de acuerdo con existir federal, estado, y regulaciones locales ambientes.

SECCION IX- PRECAUCIONES del CARTA URGENTE& ALMACENAMIENTO del DATOS

ALMACENAMIENTO TEMP

(MIN /MAX) - Ambiente /Ambient

RTV 100A

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VIDA del ESTANTE - 6 Meses en cercó recipiente

SENSIBILIDAD ESPECIAL - Ninguno sabe

MANEJAR /PRECAUCIONES del ALMACENAMIENTO:

Tenga en reserva de paraje seco, a distancia de excesivo, en original o recipientes similares impermeables. Tapar recipientes inmediatamente más después uso. Producto debe hacer [electrostatically] estar a cargo durante llenar y transmite

SECCION X- INFORMACION del EMBARQUE

D.O.T. CLASIFICACION - Ninguno
NOMBRE del EMBARQUE TÉCNICO - Silicone Caucho
CLASE del RIESGO - [Non] Reguló Naciones Unidas
U.N./N.A. NUMERO - Ninguno
PRODUCTO RQ (Lbs) - Nada
D.O.T. ETIQUETA - [Non] Reguló
D.O.T. CARTEL - [Non] Reguló
BULTO de la CLASE de la CARGA -
Plástico del Líquido N.O.S.

CLASE de la PAQUETE
de la CARGA - Plástico del Líquido N.O.S.
PREIGHT CLASS PACKAGE - Liquid Plastic N.O.S.

SECCION XI- ANIMAL TOXICITY DATOS

TOXICITY AGUDO:

ORAL LD50 - más Grande que 5000 [mg] /kg (Rata) (1)
EFECTOS del OJO - [Non] Irritante en ojos del conejo.
EFECTOS de la PIEL - [Non] Irritante en piel del conejo.
**AQUATIC TOXICITY - 200 mg/L (96 H) - LCo - Orfe Golden (Leuciscus idus).

**Tests al Instituto para Toxicology, Bayer AG, ejecutó en un producto comparable.

SECCION XII- REGULATORY FEDERAL INFORMACION

OSHA CONDICION:

Este producto no es arriesgado bajo el criterio del OSHA Federal Norma de la Comunicación del Riesgo 29 CFR 1910.1200.

respecto de la exactitud de la información, el riesgos conexo con el uso del material o el se obtienen del [thereof] del uso resultados. Es el la obligación de usuario determinar las condiciones de uso de la caja fuerte y la conveniencia del material para el propósito del usuario.

Prepare Por:
Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

Material Safety
DATA SHEET
MSDS RTV 110-1A
REVISED 02/27/09
REPLACES 11/27/02

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RTV 110-1A

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFORMATION AND SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - (800) 424-9300
PRODUCT NAME - RTV 110-1A
CHEMICAL NAME AND SYNONYMS - Polydimethylsiloxane Mixture
FORMULA - Proprietary
D.O.T. CLASSIFICATION - Not regulated
HMIS HAZARD RATING: Health - 2 / Reactivity - 0 / Flammability - 2

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>%</u>	<u>ACGIH/TLV</u>	<u>OSHA/PEL</u>
**Polyimethylsiloxane Mixture (CAS No. 63148-62-9)	78 - 82	N/A	N/A
Ethyl Polysilicate (CAS No. 11099-06-2)	5 - 6	N/A	N/A
Ethyl silicate (CAS No. 78-10-4)	12 - 13	10 ppm (85 mg ^β)	10 ppm (85 mg ^β)
Ethyl Alcohol (CAS No. 64-17-5)	.28	N/A	N/A
Dibutyltin dilaurate (CAS No. 77-58-7)	.7 - .8	ppm mg/m3	ppm mg/m3

**This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR - Clear liquid, odorless
BOILING POINT - Not Applicable
MELTING/FREEZING POINT - Not Established
SPECIFIC GRAVITY(H₂O=1) - 1.05
SOLUBILITY IN WATER - Insoluble
VAPOR PRESSURE - Less than .0001 mbar at 68°F (20°C)
VAPOR DENSITY - Not Established (Air=1)
V.O.C.'s GRAMS PER LITER - 136 Grams

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT - 106°F (Tag Closed Cup ASTM D 56).
AUTO-IGNITION TEMPERATURE - Greater (Tag Open Cup ASTM D 1310)

EXTINGUISHING MEDIA - Use water spray, carbon dioxide, dry chemical or alcohol-type, or universal type foam. Apply by manufacturers recommended technique.

SPECIAL FIRE FIGHTING PROCEDURES - Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SECTION V - HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: On the basis of animal toxicity testing, we expect this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. The product can form an oil film on the eyeball which may cause a temporary harmless and reversible clouding.

CHRONIC EFFECTS OF EXPOSURE: No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY: This product is not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: None known

EXPOSURE LIMITS.....: Not established for this product

EMERGENCY & FIRST AID PROCEDURES:

SWALLOWING - If a significant quantity has been swallowed, give two glasses of water and induce vomiting.

SKIN - Remove product mechanically, then wash with soap and water.

INHALATION - Not an inhalation hazard due to an extremely low vapor pressure.

EYES - Flush with water for at least 15 minutes. Call a physician if irritation occurs.

INGESTION - If swallowed, call a physician.

Ethyl Silicate:

Signs and symptoms of exposure include irritation of the eyes and nose. By analogy with effects caused in animals, it may cause difficulty in breathing, pulmonary edema, tremor, narcosis, damage to liver and kidneys and anemia (1). No cases of human poisoning have been reported nor have experiments dealing with the effects of prolonged exposure been reported(2)

SECTION VI - EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION - Safety glasses or goggles.

SKIN PROTECTION - Plastic or rubber gloves are recommended.

RESPIRATOR - None required when handling at ambient temperatures.

VENTILATION - No special requirements.

ADDITIONAL PROTECTIVE MEASURES - Emergency showers and eye wash stations should be available.

SECTION VII - REACTIVITY DATA

STABILITY - Stable.

HAZARDOUS POLYMERIZATION - Will not occur.

INCOMPATIBILITIES - None known

INSTABILITY CONDITIONS - Excessive temperatures

DECOMPOSITION TEMPERATURE - Not established

DECOMPOSITION PRODUCTS - Thermal decomposition may produce CO, CO₂, and oxides of silicon(SiO₂).

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilize protective clothing and equipment. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Clean up spills promptly to minimize slipping hazard.

WASTE DISPOSAL METHOD:

Waste disposal should be in accordance with existing federal, state, and local environmental regulations.

SECTION IX - SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMP (MIN/MAX) - Ambient/Ambient

SHELF LIFE - 6 Months in closed container

SPECIAL SENSITIVITY - None known

HANDLING/STORAGE PRECAUTIONS: Store in a dry place, away from excessive, in original or similar waterproof containers. Reseal containers immediately after use. Product may become electrostatically charged during filling and transferring. Make sure equipment is properly grounded.

SECTION X - SHIPPING INFORMATION

D.O.T. CLASSIFICATION - Flammable Liquid N.O.S.

TECHNICAL SHIPPING NAME - Flammable Liquid N.O.S (Contains Ethyl Alcohol and Ethyl Silicate)

D.O.T. HAZARD CLASS - Flammable Liquid

U.N./N.A. NUMBER - U.N. 1993

PRODUCT RQ (Lbs) - None

D.O.T. LABEL - Flammable Liquid

D.O.T. PLACARD - Flammable Liquid

FREIGHT CLASS BULK - Flammable Liquid (Contains Ethyl Alcohol and Ethyl Silicate)

FREIGHT CLASS PACKAGE - Flammable Liquid (Contains Ethyl Alcohol and Ethyl Silicate)

SECTION XI - ANIMAL TOXICITY DATA**ACUTE TOXICITY:**

ORAL LD50 - Greater than 5000 mg/kg (Rat) (1)

EYE EFFECTS - Non-irritating to rabbit eyes. (1)

SKIN EFFECTS - Non-irritating to rabbit skin. (1)

**AQUATIC TOXICITY - 200 mg/L (96 H) - LCo - Golden Orfe (*Leuciscus idus*).

**Tests at the Institute for Toxicology, Bayer AG, performed on a comparable product.

SECTION XII - FEDERAL REGULATORY INFORMATION**OSHA STATUS:**

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY

HAZARDOUS SUBSTANCES: None

SECTION 311/312

HAZARD CATEGORIES: Non-hazardous under Section 311/312

SECTION 313

TOXIC CHEMICALS: None

RCRA STATUS:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24).

SECTION XIII - OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states: other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT NAME

<u>/CAS NUMBER</u>	<u>CONCENTRATION</u>	<u>STATE CODE</u>

Polydimethylsiloxane		
63148-62-9	100%	PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients >1%

PA3 = Pennsylvania Non-hazardous present at 3% or greater

CALIFORNIA PROPOSITION 65

To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

MASSACHUSETTS SUBSTANCE LIST (MSL)

Hazardous substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

No Changes at this time

Prepared By: Joe Morales

HASTINGS PLASTICS COMPANY

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

PRODUCT DATA
MSDS RTV 110-1A
Revisó 03/25/93
Publicó 02/09/93

[Back to Index](#)

RTV 110-1A

SECCION I - de la IDENTIFICACION del PRODUCTO

el NOMBRE de FABRICANTE - HASTINGS PLASTICS COMPANY
NUMERO del TELÉFONO de la EMERGENCIA
HASTINGS de la COMPAÑIA
de los PLASTICOS - (310) 829-3449
NOMBRE del PRODUCTO - RTV 110-1A
NOMBRE del QUIMICO Y
SINONIMOS - Polydimethylsiloxane
FORMULA de los aditivos - Proprietary
D.O.T. CLASIFICACION - No reguló

SECCION II- de los INGREDIENTES PELIGROSOS

<u>COMPONENTES</u>	<u>%</u>	<u>ACGIH/TLV</u>	<u>OSHA/PEL</u>
**Polyimethylsiloxane Mixture (CAS No. 63148-62-9)	78- 82	N/A	N/A
Ethyl Polysilicate (CAS No. 11099-06-2)	5- 6	N/A	N/A
Ethyl silicate (CAS No. 78-10-4)	12- 13	10 ppm (85 mg/3)	10 ppm (85 mg/3)
Ethyl Alcohol (CAS No. 64-17-5)	.28	N/A	N/A
Dibutyltin dilaurate (CAS No. 77-58-7)	.7 - .8		

**Este producto contiene ningúnes ingredientes peligrosos como definieron bajo el criterio del OSHA Federal regla establecida de la Comunicación del Riesgo 29 CFR 1910.1200.

SECCION III- APARIENCIA del DATOS

FISICA Y OLOR - líquido Claro
PUNTO DE EBULLICION
de los líquidos - No Aplicable
DERRITE /PUNTO de CONGELAR - No Estableció
GRAVEDAD ESPECIFICA (H2O =1) -
1.05
SOLUBILIDAD EN AGUA - insoluble
PRESION del VAPOR - Menos que .0001 mbar a 68°F (20°C)
DENSIDAD del VAPOR (Aire =1) -
No Estableció

SECCION IV- DATOS de la RIESGO de FUEGO Y EXPLOSION

PUNTO de ENCENDER °F - 106°F (Etiqueta Taza Cerrada ASTM D 56)
TEMPERATURA de la IGNICION
del automóvil - más Grande (Etiqueta Abre Taza ASTM D 1310)
MEDIDA de EXTINGUIR - rocío del agua del Uso, bióxido del carbono, químico seco o tipo del alcohol, o espuma del tipo universal. Aplique

como fabricantes recomendaron [techique]

PROCEDIMIENTOS ESPECIAL para COMBATE de FUEGO:

Bomberos debe equipar con aparato de la respiración autosuficiente proteger contra tóxico del [potentially] y humos irritantes.

RTV 110-1A

Hoja del Datos de la Seguridad del material

HOJA 2 DE 4

SECCION V- DATOS del RIESGO de la SALUD

AGUDO EFECTO de SOBRE EXPONER:

En la base de [toxicity] del animal experimenta, esperamos este producto estar [non] irritante a los ojos y piel y esencialmente tóxico de la [non] por ingestión. El producto puede formar una membrana del aceite sobre el globo del ojo que debe causar un temporario inofensivo y reversible nublado.

EFECTOS CRONICOS DE DESABRIGO:

Se fundó ningún información aplicable acerca de cualesquiera efectos de la salud adversos crónicos de [overexposure] a este producto.

CARCINOGENICITY:

Este producto no lista por NTP, IARC, o reguló como un carcinógeno por OSHA.

CONDICIONES MÉDICAS

AGRAVAR POR EXPONER..... Ninguno sabe

EXPOSICION LIMITE..... No demuestre por este producto

EMERGENCIA & PRIMEROS PROCEDIMIENTOS de la AYUDA:

- | | |
|------------|--|
| TRAGAR | - Con tal que una cantidad significativa ha tragado, dé dos vasos de agua e induce vomita. |
| PIEL | - Quita [mechanically] del producto, entonces lava con jabón y agua. |
| INHALACION | - No un riesgo de la inhalación pagadero a un extremadamente presión del vapor baja. |
| OJOS | - Enjuagar con agua por lo menos 15 minutos. Llame un médico si irritación ocurre. |
| INGESTION | - Si tragó, llama un médico. |

Ethyl Silicate: Signos y síntomas de exposición incluyen irritación de los ojos y nariz.

Por analogía con efectoses causó en animales, debe causar dificultad en respirar, edema pulmonar, temblor, narcotismo, daño a hígado y riñones y anemia (1)

No causas de humano envenenan han informado ni tiene experimentos tratan de los efectos de extendió se presenta un informe exposición

SECCION VI- RECOMENDACIONES de la PROTECCION del EMPLEADO

- | | |
|--|--|
| PROTECCION del OJO | - Gafas de la Seguridad o Antiparras. |
| PROTECCION de la PIEL | - Plástico o se recomiendan guantes del caucho. |
| RESPIRATOR | - Ninguno requirió cuándo manipulación a ambiente temperaturas. |
| VENTILACION | - Ningunes requerimientos particulares. |
| MEDIDAS de la PROTECCION del ADICIONAL | - Banos de Emergencia y Estaciones de Lava Ojos esté disponible. |

SECCION VII- DATOS de REACTIVITY

ESTABILIDAD - Estable.
POLYMERIZATION PELIGROSO - No ocurrirá.
INCOMPATIBILIDADES - Ninguno conoce
CONDICIONES de la
INESTABILIDAD - Temperaturas Excesiva
TEMPERATURA de la
DESCOMPOSICION - No demostró
PRODUCTOS de la
DESCOMPOSICION - Descomposición Termal debe producir CO, CO2, y óxidos de [silicon] (SiO2)

RTV 110-1A

Hoja del Datos de la Seguridad del material

HOJA 3 DE 4

SECCION VIII- PROCEDIMIENTOS de DERRAMAMIENTO y GOTERA

PASOS a TOMAR en CASO QUE el MATERIAL sea SOLTADO o DERRAMADO:

Utilice ropa de la protección y maquinaria. Derramamientos deben tomar con absorbente satisfactorio y puesto en recipientes. Area del derramamiento puede lavar con agua. Colecciona del agua para disposición aceptada. Limpie pronto los derramamientos para empequeñecer riesgo di resbalar.

MÉTODO de la DISPOSICION INUTIL:

Disposición inútil debe estar de acuerdo con existir federal, estado, y regulaciones locales ambientes.

SECCION IX- PRECAUCIONES del CARTA URGENTE& ALMACENAMIENTO del DATOS

ALMACENAMIENTO TEMP

(MIN /MAX) - Ambiente /Ambient
VIDA del ESTANTE - 6 Meses en cercó recipiente
SENSIBILIDAD ESPECIAL - Ninguno sabe

MANEJAR /PRECAUCIONES del ALMACENAMIENTO:

Tenga en reserva de paraje seco, a distancia de excesivo, en original o recipientes similares impermeables. Tapar recipientes inmediatamente más después uso. Producto debe hacer [electrostatically] estar a cargo durante llenar y transmite. Hechura se conecta con tierra maquinaria segura propiamente.

SECCION X- INFORMACION del EMBARQUE

D.O.T. CLASIFICACION - Ninguno
NOMBRE del EMBARQUE TÉCNICO - Polydimethylsilozane Mezcla
CLASE del RIESGO - [Non] Reguló Naciones Unidas
U.N./N.A. NUMERO - Ninguno
PRODUCTO RQ (Lbs) - Nada
D.O.T. ETIQUETA - [Non] Reguló
D.O.T. CARTEL - [Non] Reguló
BULTO de la CLASE de la CARGA -
Aceites Lubrifican N.O.I.
CLASE de la PAQUETE
de la CARGA - Aceites Lubrifican N.O.I.
PREIGHT CLASS PACKAGE - Aceites Lubrifican N.O.I.

SECCION XI- ANIMAL TOXICITY DATOS

TOXICITY AGUDO:

- ORAL LD50 - más Grande que 5000 [mg] /kg (Rata) (1)
- EFFECTOSES del OJO - [Non] Irritante en ojos del conejo.
- EFFECTOSES de la PIEL - [Non] Irritante en piel del conejo.
- **AQUATIC TOXICITY - 200 mg/L (96 H) - LCo - Orfe Golden (Leuciscus idus).

**Tests al Instituto para Toxicology, Bayer AG, ejecutó en un producto comparable.

SECCION XII- REGULATORY FEDERAL INFORMACION

OSHA CONDICION:

Este producto no es arriesgado bajo el criterio del OSHA Federal Norma de la Comunicación del Riesgo 29 CFR 1910.1200.

RTV 110-1A

Hoja del Datos de la Seguridad del material

HOJA 4 DE 4

TSCA CONDICION: En TSCA Inventario
CERCLA REPORTABLE CANTIDAD: Ninguno

SARA TITULO III:

SECCION 302 EXTREMADAMENTE

SUBSTANCIAS PELIGROSAS: Ninguno

SECCION 311/312

CATEGORIAS del RIESGO: [Non] arriesgado bajo Sección 311/312

SECCION 313

QUIMICOS del TOXICO: Ninguno

RCRA CONDICION:

Si eliminó en su compró forma, este producto no sería un peligroso inútil uno y otro por listar o por característica. Sin embargo, bajo RCRA es la responsabilidad del usuario del producto decidir al tiempo de disposición, si un material contiene el producto o derivar del producto debe clasificar como un peligroso inútil (40 CFR 261.20-24).

SECCION XIII- OTRO REGULATORY INFORMACION

Se listan específicamente por estados individuales los químicos siguientes: otro producto salud específica y datos de la seguridad en otras secciones del MSDS puede también está aplicable por requerimientos del estado. Para detalles en sus requerimientos del [regulatory] debe ponerse en contacto con la agencia apropiada en su estado.

NOMBRE del COMPONENTE

/CAS NUMERO

CONCENTRACION

CODIFICACION del ESTADO

Polydimethylsiloxane

63148-62-9

Approx. 100%

PA3, NJ4

NJ4= New Jersey Otro- incluyó en 5 ingredientes predominantes >1%

PA3= Pennsylvania [Non] actual Peligroso en 3% o más grande

CALIFORNIA PROPOSICION 65

A el más mejor de nuestro saber, este producto contiene ningúnes niveles de listó substancias, que el estado de California ha fundado causar cáncer, defectos del nacimiento u otros efectoses de reproduccion.

MASSACHUSETTS LISTA de la SUBSTANCIA (MSL)

Substancias peligrosas y Extraordinarily Substancias Peligrosas en el MSL deba de identificar cuándo actual en productos. Al más mejor de nuestro saber, este producto contiene no substancias en un nivel que nesecite reporte bajo el estatuto.

NEGADOR DE OBLIGACION

Como las condiciones o métodos de uso son más allá nuestro mando, no asumimos cualquiera responsabilidad y expresamente niega obligación para cualquiera uso de este material. Información contenga aquí dentro se cree estar verdadero y exacto pero se hacen todas declaraciones sin garantía, expreso o implícito, respecto de la exactitud de la información, el riesgos conexo con el uso del material o el se obtienen del [thereof] del uso resultados. Es el la obligación de usuario determinar las condiciones de uso de la caja fuerte y la conveniencia del material para el propósito del usuario.

Prepare Por:
Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

PRODUCT DATA
MSDS RTV 110-2A
*REVISED
5/29/99
REPLACED 3/15/94

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RTV 110-2A

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFORMATION SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - (800) 424-9300
PRODUCT NAME - RTV 110-2A
CHEMICAL NAME - Polydimethylsiloxane Mixture
FORMULA - Proprietary
D.O.T. CLASSIFICATION - Not regulated
HMIS HAZARD RATING: Health - 2 / Reactivity - 0 / Flammability - 2

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>%</u>	<u>ACGIH/TLV</u>	<u>OSHA/PEL</u>
**Polyimethylsiloxane Mixture (CAS No. 63148-62-9)	12 - 14	N/A	N/A
Ethyl Polysilicate (CAS No. 11099-06-2)	22 - 24	N/A	N/A
Ethyl silicate (CAS No. 78-10-4)	54 - 56	10 ppm (85 mg ³)	10 ppm (85 mg ³)
Ethyl Alcohol (CAS No. 64-17-5)	1 - 2	N/A	N/A
Dibutyltin dilaurate (CAS No. 77-58-7)	12 - 14	ppm mg/m ³	ppm mg/m ³

**This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR - Clear liquid, odorless
BOILING POINT - Not Applicable
MELTING/FREEZING POINT - Not Established
SPECIFIC GRAVITY(H₂O=1) - 1.05
SOLUBILITY IN WATER - Insoluble
VAPOR PRESSURE - Less than .0001 mbar at 68°F (20°C)
VAPOR DENSITY - Not Established (Air=1)
V.O.C.'s IN GRAMS/LITER - 350 Grams

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT - 106°F (Tag Closed Cup ASTM D 56).

EXTINGUISHING MEDIA - Use water spray, carbon dioxide, dry chemical or alcohol-type, or universal type foam. Apply by manufacturers recommended technique.

SPECIAL FIRE FIGHTING PROCEDURES - Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SECTION V - HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: On the basis of animal toxicity testing, we expect this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. The product can form an oil film on the eyeball which may cause a temporary harmless and reversible clouding.

CHRONIC EFFECTS OF EXPOSURE: No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY: This product is not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: None known

EXPOSURE LIMITS.....: Not established for this product

EMERGENCY & FIRST AID PROCEDURES:

SWALLOWING - If a significant quantity has been swallowed, give two glasses of water and induce vomiting.

SKIN - Remove product mechanically, then wash with soap and water.

INHALATION - Not an inhalation hazard due to an extremely low vapor pressure.

EYES - Flush with water for at least 15 minutes. Call a physician if irritation occurs.

INGESTION - If swallowed, call a physician.

Ethyl Silicate:

Signs and symptoms of exposure include irritation of the eyes and nose. By analogy with effects caused in animals, it may cause difficulty in breathing, pulmonary edema, tremor, narcosis, damage to liver and kidneys and anemia (1). No cases of human poisoning have been reported nor have experiments dealing with the effects of prolonged exposure been reported(2)

SECTION VI - EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION - Safety glasses or goggles.

SKIN PROTECTION - Plastic or rubber gloves are recommended.

RESPIRATOR - None required when handling at ambient temperatures.

VENTILATION - No special requirements.

ADDITIONAL PROTECTIVE MEASURES - Emergency showers and eye wash stations should be available.

SECTION VII - REACTIVITY DATA

STABILITY - Stable.

HAZARDOUS POLYMERIZATION - Will not occur.

INCOMPATIBILITIES - None known

INSTABILITY CONDITIONS - Excessive temperatures

DECOMPOSITION TEMPERATURE - Not established

DECOMPOSITION PRODUCTS - Thermal decomposition may produce CO, CO₂, and oxides of silicon (SiO₂).

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilize protective clothing and equipment. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Clean up spills promptly to minimize slipping hazard.

WASTE DISPOSAL METHOD: Waste disposal should be in accordance with existing federal, state, and local environmental regulations.

SECTION IX - SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMP (MIN/MAX) - Ambient/Ambient

SHELF LIFE - 6 Months in closed container

SPECIAL SENSITIVITY - None known

HANDLING/STORAGE PRECAUTIONS: Store in a dry place, away from excessive, in original or similar waterproof containers. Reseal containers immediately after use. Product may become electrostatically charged during filling and transferring. Make sure equipment is properly grounded.

SECTION X - SHIPPING INFORMATION

D.O.T. CLASSIFICATION - Flammable Liquid N.O.S.

TECHNICAL SHIPPING NAME - Flammable Liquid N.O.S (Contains Ethyl Alcohol and Ethyl Silicate)

D.O.T. HAZARD CLASS - Flammable Liquid

U.N./N.A. NUMBER - U.N. 1993

PRODUCT RQ (Lbs) - None

D.O.T. LABEL - Flammable Liquid

D.O.T. PLACARD - Flammable Liquid

FREIGHT CLASS BULK - Flammable Liquid (Contains Ethyl Alcohol and Ethyl Silicate)

FREIGHT CLASS PACKAGE - Flammable Liquid (Contains Ethyl Alcohol and Ethyl Silicate)

SECTION XI - ANIMAL TOXICITY DATA

ACUTE TOXICITY:

ORAL LD50 - Greater than 5000 mg/kg (Rat) (1)

EYE EFFECTS - Non-irritating to rabbit eyes. (1)

SKIN EFFECTS - Non-irritating to rabbit skin. (1)

**AQUATIC TOXICITY - 200 mg/L (96 H) - LCo - Golden Orfe (Leuciscus idus).

**Tests at the Institute for Toxicology, Bayer AG, performed on a comparable product.

SECTION XII - FEDERAL REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY

HAZARDOUS SUBSTANCES: None

SECTION 311/312

HAZARD CATEGORIES: Non-hazardous under Section 311/312

SECTION 313

TOXIC CHEMICALS: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a

hazardous waste. (40 CFR 261.20-24).

SECTION XIII - OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states: other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT NAME

/CAS NUMBER	CONCENTRATION	STATE CODE

Polydimethylsiloxane		
63148-62-9	100%	PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients >1%

PA3 = Pennsylvania Non-hazardous present at 3% or greater

CALIFORNIA PROPOSITION 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

MASSACHUSETTS SUBSTANCE LIST (MSL): Hazardous substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

No Changes at this time

Prepared By: Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

PRODUCT DATA
MSDS RTV 110-5
*REVISED
5/29/99
REPLACES 9/22/97

[Back to Index](#)

RTV 110-5

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFORMATION AND SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - (800) 424-9300
PRODUCT NAME - RTV 110-5
CHEMICAL NAME AND SYNONYMS - Polydimethylsiloxane Mixture
FORMULA - Proprietary
HMIS HAZARD RATING: Health - 2 / Reactivity - 0 / Flammability - 2

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
**Polyimethylsiloxane Mixture (CAS No. 63148-62-9)	50 - 55	N/A	N/A
Ethyl Polysilicate (CAS No. 11099-06-2)		22 - 25	N/A
Ethyl silicate (CAS No. 78-10-4) mg/ ³)		20 - 23	10 ppm (85
Ethyl Alcohol (CAS No. 64-17-5)	10 ppm (85 mg/ ³) .5 - 1.0		N/A
N/A			
Dibutyltin dilaurate (CAS No. 77-58-7)		4 - 5	ppm mg/m3

This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR - Reddish brown liquid, odorless
BOILING POINT - Not Applicable
MELTING/FREEZING POINT - Not Established
SPECIFIC GRAVITY (H₂O=1) - 1.05
SOLUBILITY IN WATER - Insoluble
VAPOR PRESSURE - Less than .0001 mbar at 68°F (20°C)
VAPOR DENSITY - Not Established (Air=1)
V.O.C.'s IN GRAMS/LITER - 77 Grams

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT - 106°F (Tag Closed Cup ASTM D 56).
EXTINGUISHING MEDIA - Use water spray, carbon dioxide, dry chemical or alcohol-type, or universal type foam. Apply by manufacturers recommended technique.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SECTION V - HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: On the basis of animal toxicity testing, we expect this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. The product can form an oil film on the eyeball which may cause a temporary harmless and reversible clouding.

CHRONIC EFFECTS OF EXPOSURE: No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY: This product is not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE - None known

EXPOSURE LIMITS - Not established for this product

EMERGENCY & FIRST AID PROCEDURES:

SWALLOWING - If a significant quantity has been swallowed, give two glasses of water and induce vomiting.

SKIN - Remove product mechanically, then wash with soap and water.

INHALATION - Not an inhalation hazard due to an extremely low vapor pressure.

EYES - Flush with water for at least 15 minutes. Call a physician if irritation occurs.

INGESTION - If swallowed, call a physician.

Ethyl Silicate: Signs and symptoms of exposure include irritation of the eyes and nose. By analogy with effects caused in animals, it may cause difficulty in breathing, pulmonary edema, tremor, narcosis, damage to liver and kidneys and anemia (1). No cases of human poisoning have been reported nor have experiments dealing with the effects of prolonged exposure been reported(2)

SECTION VI - EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION - Safety glasses or goggles.

SKIN PROTECTION - Plastic or rubber gloves are recommended.

RESPIRATOR - None required when handling at ambient temperatures.

VENTILATION - No special requirements.

ADDITIONAL PROTECTIVE MEASURES - Emergency showers and eye wash stations should be available.

SECTION VII - REACTIVITY DATA

STABILITY - Stable.

HAZARDOUS POLYMERIZATION - Will not occur.

INCOMPATIBILITIES - None know

INSTABILITY CONDITIONS - Excessive temperatures

DECOMPOSITION TEMPERATURE - Not established

DECOMPOSITION PRODUCTS - Thermal decomposition may produce CO, CO₂, and oxides of silicon(SiO₂).

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilize protective clothing and equipment. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Clean up spills promptly to minimize slipping hazard.

WASTE DISPOSAL METHOD: Waste disposal should be in accordance with

existing federal, state, and local environmental regulations.

RTV 110-5

Material Safety Data Sheet

Page 3 of 4

SECTION IX - SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMP (MIN/MAX) - Ambient/Ambient
SHELF LIFE - 6 Months in closed container
SPECIAL SENSITIVITY - None known

HANDLING/STORAGE PRECAUTIONS: Store in dry place, away from excessive, in original or similar waterproof containers. Reseal containers immediately after use. Product may become electrostatically charged during filling and transferring. Make sure equipment is properly grounded.

SECTION X - SHIPPING INFORMATION

D.O.T. CLASSIFICATION - Flammable Liquid N.O.S.
TECHNICAL SHIPPING NAME - Flammable Liquid N.O.S (Contains Ethyl Alcohol and Ethyl Silicate)
D.O.T. HAZARD CLASS - Flammable Liquid
U.N./N.A. NUMBER - U.N. 1993
PRODUCT RQ (Lbs) - None
D.O.T. LABEL - Flammable Liquid
D.O.T. PLACARD - Flammable Liquid
FREIGHT CLASS BULK - Flammable Liquid (Contains Ethyl Alcohol and Ethyl Silicate)
FREIGHT CLASS PACKAGE - Flammable Liquid (Contains Ethyl Alcohol and Ethyl Silicate)

SECTION XI - ANIMAL TOXICITY DATA

ACUTE TOXICITY:
ORAL LD50 - Greater than 5000 mg/kg (Rat) (1)
EYE EFFECTS - Non-irritating to rabbit eyes. (1)
SKIN EFFECTS - Non-irritating to rabbit skin. (1)
**AQUATIC TOXICITY - 200 mg/L (96 H) - LCo - Golden Orfe (Leuciscus idus).
**Tests at the Institute for Toxicology, Bayer AG, performed on a comparable product.

SECTION XII - FEDERAL REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA STATUS: On TSCA Inventory
CERCLA REPORTABLE QUANTITY: None
SARA TITLE III:
SECTION 302 EXTREMELY
HAZARDOUS SUBSTANCES: None
SECTION 311/312
HAZARD CATEGORIES: Non-hazardous under Section 311/312
SECTION 313
TOXIC CHEMICALS:None
RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24).

SECTION XIII - OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states: other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory

requirements you should contact the appropriate agency in your state.

RTV 110-5

Material Safety Data Sheet

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COMPONENT NAME
/CAS NUMBER

CONCENTRATION

STATE CODE

Polydimethylsiloxane
63148-62-9

100%

PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients >1%

PA3 = Pennsylvania Non-hazardous present at 3% or greater

CALIFORNIA PROPOSITION 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

MASSACHUSETTS SUBSTANCE LIST (MSL): Hazardous substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

Prepared By: Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

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PRODUCT DATA
`MSDS RTV 110-6
*REVISED 5/29/99
REPLACES 9/23/97

RTV 110-6

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFORMATION SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - (800) 424-9300
PRODUCT NAME - RTV 110-6
CHEMICAL NAME AND SYNONYMS - Polydimethylsiloxane Mixture
FORMULA - Proprietary
HMIS HAZARD RATING: Health - 2 / Reactivity - 0 / Flammability - 2

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
**Polyimethylsiloxane Mixture (CAS No. 63148-62-9)	35 - 40	N/A	N/A
Ethyl Polysilicate (CAS No. 11099-06-2)		12 - 15	N/A
Ethyl silicate (CAS No. 78-10-4)		20 - 25 10 ppm (85 mg/ ³)	10 ppm (85 mg/ ³)
Ethyl Alcohol (CAS No. 64-17-5)	.5 - .6	N/A	N/A
Dibutyltin dilaurate (CAS No. 77-58-7) ppm mg/m3		8 - 10	ppm mg/m3

This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR - Black liquid, odorless
BOILING POINT - Not Applicable
MELTING/FREEZING POINT - Not Established
SPECIFIC GRAVITY(H₂O=1) - 1.05
SOLUBILITY IN WATER - Insoluble
VAPOR PRESSURE - Less than .0001 mbar at 68⁰F (20⁰C)
VAPOR DENSITY - Not Established (Air=1)
V.O.C.'s IN GRAMS/LITER - 122 Grams

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT ⁰F - 106⁰F (Tag Closed Cup ASTM D 56).

EXTINGUISHING MEDIA - Use water spray, carbon dioxide, dry chemical or alcohol-type, or universal type foam. Apply by manufacturer's recommended technique.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SECTION V - HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: On the basis of animal toxicity testing, we expect this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. The product can form an oil film on the eyeball which may cause a temporary harmless and reversible clouding.

CHRONIC EFFECTS OF EXPOSURE: No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY: This product is not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE - None known

EXPOSURE LIMITS - Not established for this product

EMERGENCY & FIRST AID PROCEDURES:

SWALLOWING - If a significant quantity has been swallowed, give two glasses of water and induce vomiting.

SKIN - Remove product mechanically, then wash with soap and water.

INHALATION - Not an inhalation hazard due to an extremely low vapor pressure.

EYES - Flush with water for at least 15 minutes. Call a physician if irritation occurs.

INGESTION - If swallowed, call a physician.

Ethyl Silicate:

Signs and symptoms of exposure include irritation of the eyes and nose. By analogy with effects caused in animals, it may cause difficulty in breathing, pulmonary edema, tremor, narcosis, damage to liver and kidneys and anemia (1). No cases of human poisoning have been reported nor have experiments dealing with the effects of prolonged exposure been reported(2).

SECTION VI - EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION - Safety glasses or goggles.

SKIN PROTECTION - Plastic or rubber gloves are recommended.

RESPIRATOR - None required when handling at ambient temperatures.

VENTILATION - No special requirements.

ADDITIONAL PROTECTIVE MEASURES - Emergency showers and eye wash stations should be available.

SECTION VII - REACTIVITY DATA

STABILITY - Stable.

HAZARDOUS POLYMERIZATION - Will not occur.

INCOMPATIBILITIES - None known

INSTABILITY CONDITIONS - Excessive temperatures

DECOMPOSITION TEMPERATURE - Not established

DECOMPOSITION PRODUCTS - Thermal decomposition may produce CO, CO₂, and oxides of silicon (SiO₂).

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilize protective clothing and equipment. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Clean up spills promptly to minimize slipping hazard.

WASTE DISPOSAL METHOD: Waste disposal should be in accordance with existing federal, state, and local environmental regulations.

SECTION IX - SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMP (MIN/MAX) - Ambient/Ambient

SHELF LIFE - 6 Months in closed container

SPECIAL SENSITIVITY - None known

HANDLING/STORAGE PRECAUTIONS: Store in dry place, away from excessive, in original or similar waterproof containers. Reseal containers immediately after use. Product may become electrostatically charged during filling and transferring. Make sure equipment is properly grounded.

SECTION X - SHIPPING INFORMATION

D.O.T. CLASSIFICATION - Flammable Liquid N.O.S.

TECHNICAL SHIPPING NAME - Flammable Liquid N.O.S (Contains Ethyl Alcohol and Ethyl Silicate)

D.O.T. HAZARD CLASS - Flammable Liquid

U.N./N.A. NUMBER - U.N. 1993

PRODUCT RQ (Lbs) - None

D.O.T. LABEL - Flammable Liquid

D.O.T. PLACARD - Flammable Liquid

FREIGHT CLASS BULK - Flammable Liquid (Contains Ethyl Alcohol and Ethyl Silicate)

FREIGHT CLASS PACKAGE - Flammable Liquid (Contains Ethyl Alcohol and Ethyl Silicate)

SECTION XI - ANIMAL TOXICITY DATA

ACUTE TOXICITY:

ORAL LD₅₀ - Greater than 5000 mg/kg (Rat) (1)

EYE EFFECTS - Non-irritating to rabbit eyes. (1)

SKIN EFFECTS - Non-irritating to rabbit skin. (1)

**AQUATIC TOXICITY - 200 mg/L (96 H) - LCo - Golden Orfe (*Leuciscus idus*).

**Tests at the Institute for Toxicology, Bayer AG, performed on a comparable product.

SECTION XII - FEDERAL REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY

HAZARDOUS SUBSTANCES: None

SECTION 311/312

HAZARD CATEGORIES: Non-hazardous under Section 311/312

SECTION 313

TOXIC CHEMICALS: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24).

SECTION XIII - OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states: other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT NAME

CAS NUMBER

CONCENTRATION

STATE CODE

Polydimethylsiloxane

63148-62-9

100%

PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients >1%

PA3 = Pennsylvania Non-hazardous present at 3% or greater

CALIFORNIA PROPOSITION 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

MASSACHUSETTS SUBSTANCE LIST (MSL): Hazardous substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

Prepared

By:

Joe

Morales

F#170-21A

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Material Safety
DATA SHEET
MSDS RTV 500
*REVISED 03/26/09
REPLACES 08/26/03

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RTV 500

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFORMATION AND SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - (800) 424-9300
PRODUCT NAME - RTV 500
CHEMICAL NAME AND SYNONYMS - Formulated silicone resin containing inert additives.
FORMULA - Proprietary
D.O.T. CLASSIFICATION - Not regulated
HMIS HAZARD RATING: Health - 0 / Reactivity - 0 / Flammability - 0

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>%</u>	<u>TLV</u>	<u>ACGIH /PEL</u>	<u>OSHA</u>
**Hydroxy Terminated Polydimethylsiloxane (CAS No. 70131-67-8)	40 - 45	N/A	N/A	
Titanium Dioxide (CAS No. 13463-67-7)	.70 - .80	N/A	N/A	
Silicone Dioxide (CAS No. 112945-52-5)	15 - 20	10 MG/M3	15 MG/M3	

NOTE! May generate formaldehyde at temperatures greater than 150 C (300 F)

This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees fahrenheit (150 C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard.. No hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR - White pourable liquids
BOILING POINT - Approx. 572°F (300°C) at 10013 mbar
MELTING/FREEZING POINT - -49°F to -58°F (-45°C to -50°C)
SPECIFIC GRAVITY (H₂O=1) - 1.4
SOLUBILITY IN WATER - Insoluble
VAPOR PRESSURE - Less than 100 mbar at 68°F (20°C)
VAPOR DENSITY - Not Established (Air=1)
V.O.C.'s IN GRAMS/LITER - 4.5 Grams

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT °F - Greater than 322°F (160°C); DIN 51758
AUTO-IGNITION TEMPERATURE - Greater than 362°F (200°C); DIN 51794
EXTINGUISHING MEDIA - Use water spray, carbon dioxide, dry chemical or alcohol-type, or universal type foam. Apply by manufacturers recommended technique.

SPECIAL FIRE FIGHTING PROCEDURES - Firefighters should be equipped with self-contained breathing

apparatus to protect against potentially toxic and irritating fumes.

SECTION V - HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: On the basis of animal toxicity testing, we expect this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. The product can form an oil film on the eyeball which may cause a temporary harmless and reversible clouding.

CHRONIC EFFECTS OF EXPOSURE: No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY: This product is not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: None known

EXPOSURE LIMITS.....: Not established for this product

EMERGENCY & FIRST AID PROCEDURES:

SWALLOWING - If a significant quantity has been swallowed, give two glasses of water and induce vomiting.

SKIN - Remove product mechanically, then wash with soap and water.

INHALATION - Not an inhalation hazard due to an extremely low vapor pressure.

EYES - Flush with water for at least 15 minutes. Call a physician if irritation occurs.

INGESTION - If swallowed, call a physician.

SECTION VI - EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION - Safety glasses or goggles.

SKIN PROTECTION - Plastic or rubber gloves are recommended.

RESPIRATOR - None required when handling at ambient temperatures.

VENTILATION - No special requirements.

ADDITIONAL PROTECTIVE MEASURES - Emergency showers and eye wash stations should be available.

SECTION VII - REACTIVITY DATA

STABILITY - Stable.

HAZARDOUS POLYMERIZATION - Will not occur.

INCOMPATIBILITIES - None known

INSTABILITY CONDITIONS - Excessive temperatures

DECOMPOSITION TEMPERATURE - Not established

DECOMPOSITION PRODUCTS - Thermal decomposition may produce CO, CO₂, and oxides of silicon (SiO₂).

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilize protective clothing and equipment. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water. Collect wash water for approved disposal. Clean up spills promptly to minimize slipping hazard.

WASTE DISPOSAL METHOD: Waste disposal should be in accordance with existing federal, state, and local environmental regulations.

SECTION IX - SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMP (MIN/MAX) - Ambient/Ambient

SHELF LIFE - 6 Months in closed container

SPECIAL SENSITIVITY - None known

HANDLING/STORAGE PRECAUTIONS: Store in a dry place, away from excessive, in original or similar waterproof containers. Reseal containers immediately after use. Product may become electrostatically charged during filling and transferring. Make sure equipment is properly grounded.

SECTION X - SHIPPING INFORMATION

D.O.T. CLASSIFICATION - None

TECHNICAL SHIPPING NAME - Silicone Rubber

D.O.T. HAZARD CLASS - Non-regulated

U.N./N.A. NUMBER - None

PRODUCT RQ (Lbs) - None

D.O.T. LABEL - Non-regulated

D.O.T. PLACARD - Non-regulated

FREIGHT CLASS BULK - Liquid Plastic N.O.S.

FREIGHT CLASS PACKAGE - Liquid Plastic N.O.S.

SECTION XI - ANIMAL TOXICITY DATA

ACUTE TOXICITY:

ORAL LD50 - Greater than 5000 mg/kg (Rat) (1)

EYE EFFECTS - Non-irritating to rabbit eyes. (1)

SKIN EFFECTS - Non-irritating to rabbit skin. (1)

**AQUATIC TOXICITY - 200 mg/L (96 H) - LCo - Golden Orfe (*Leuciscus idus*).

**Tests at the Institute for Toxicology, Bayer AG, performed on a comparable product.

SECTION XII - FEDERAL REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III: SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None SECTION 311/312

HAZARD CATEGORIES: Non-hazardous under Section 311/312 SECTION 313

TOXIC CHEMICALS:None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24).

SECTION XIII - OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states: other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory (over) requirements you should contact the appropriate agency in your state.

COMPONENT NAME

/CAS NUMBER

CONCENTRATION

STATE CODE

Hydroxy Terminated Polydimethylsiloxane

70131-67-8

Approx. 50-60%

PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients >1%

PA3 = Pennsylvania Non-hazardous present at 3% or greater

CALIFORNIA PROPOSITION 65 : To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

MASSACHUSETTS SUBSTANCE LIST (MSL) : Hazardous substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

DISCLAIMER OF LIABILITY

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Prepared By: Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

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Material Safety
DATA SHEET
MSDS 09-01-7
ALGINATE
*REVISED 03/05/09
REPLACES 05/24/93

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09-01-7 ALGINATE

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFO/SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - 24 Hours (800) 424-9300
PRODUCT NAME - ALGINATE
PRODUCT CODE - 09-01-7
CHEMICAL FAMILY - Oxides and Phosphates of Silica, Alumina, Magnesia, Sodium and Potassium Alginates.

SECTION II - HAZARDOUS INGREDIENTS MATERIALS

FILLERS--Silicon Dioxide
BINDERS--Sodium and Potassium alginates, oxide of Manganese

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR - Powder yellow liquid
SOLUBILITY IN WATER - 4.00 Percent
BULK DENSITY - 0.33 g/ml (20lb/cu ft)

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

EXTINGUISHING MEDIA - Not combustible

SECTION V - REACTIVITY DATA

STABILITY - Stable
INCOMPATIBILITY - Hydrofluoric Acid (HF), in which silica will dissolve and produce the corrosive gas silicon tetrafluoride.
HAZARDOUS COMPOSITION - Will not occur.

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE - 10mg/m³ / (% Respirable quartz+2)

Prolonged exposure above the Threshold Limit Value specified may cause delayed injury to lungs (silicosis). Silicosis is a form of disabling, progressive and sometimes fatal pulmonary fibrosis characterized by the presence of typical nodulation in the lungs.

SECTION VII - SPECIAL PROTECTION INFORMATION

VENTILATION - Use sufficient local exhaust to reduce the dust to the PEL for respirable quartz.

RESPIRATORY PROTECTION - Use NIOSH approved dust mask respirator under appropriate OSHA standards and regulations.

EYE PROTECTION - Protect from dust particles.

SKIN PROTECTION - Optional.

SECTION VIII - ENVIRONMENTAL AND DISPOSAL INFORMATION

SPILL PROCEDURES - Use dustless methods-vacuum and place into closable container for disposal, or flush with water. Do not dry sweep. Wear protective equipment.

WASTE DISPOSAL METHOD - Dispose in accordance with federal, state, and local regulations.

SECTION IX - SHIPPING REGULATION FOR HAZARDOUS MATERIAL

NOT D.O.T. REGULATED

SECTION X - SPECIAL PRECAUTIONS

Use dustless or wet systems when handling and clean-up so that exposure does not exceed the Threshold Limit Values in section VI. Practice good housekeeping, maintain ventilation system and post appropriate warning notices where product is used, stored and handled. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain, clean and test respirators in accordance with OSHA regulations.

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

No Changes at this time

Prepared By : Joe Morales

F#170-21A

