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Hastings Plastics
Material Safety Data Sheets
HACOL Liquid & Paste Colors for Resins**

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TRANSPARENT LIQUID COLORS

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HASTINGS PLASTICS COMPANY

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

PRODUCT DATA
MSDS HACOL 16-3-2
*Revised 08/17/09
Replaces 05/14/04

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HACOL 16-3-2 TRANSPARENT BLUE

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFO/SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - 24 HOURS (800) 424-9300
CHEMICAL FAMILY/NAME - Ethylene Glycol Monomethyl Ether w/Organic Pigment
TRADE NAME - HACOL 16-3-2 Transparent BLUE Liquid Colors
NFPA RATING: Health - 2 / Reactivity - 0 / Flammability - 2
HMIS HAZARD RATINGS: N/D

SECTION II - HAZARDOUS INGREDIENTS

If present, IARC, NTP, and OSHA carcinogens and chemicals subject to the reporting requirements of SARA TITLE III SECTION 313 are identified in this section.

<u>COMPONENTS</u>	<u>CAS #</u>	<u>%</u>	<u>PEL</u>	<u>TLV(units)</u>
ETHYLENE GLYCOL MONOMETHYL ETHER	109-86-4	64-68	25 PPM	5PPM -
9,10 ANTHRAQUINONE COPPER PHTHALOCYANINE BLUE	147-14-8	1-2	N/D	N/D
COPPER UNSATURATED POLYESTER	7440-50-8	.2-4	N/D	N/D
ALKYD(PRE-POLYMER)	MIXTURE	28-35	N/D	N/D
DIBUTYL PHTHALATE	84-74-2	1-2	N/D	N/D

NOTES:

1) THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III - PHYSICAL DATA

APPEARANCE, COLOR & ODOR - BLUE LIQUID
BOILING POINT - 254.30 - 257.00 Deg F @ 760 mm Hg
VAPOR PRESSURE - 9.50 mm Hg @ 77.00 Deg F
VAPOR DENSITY (Air = 1) - 2.6
SPECIFIC GRAVITY - 1.03 @ 68.00 Deg F
SOLUBILITY IN WATER - N/D
PERCENT VOLATILE - 65 %
EVAPORATION RATE - 0.62

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT (PMCC) - 105.00 Deg F
FLAMMABILITY LIMITS IN AIR (%BY VOL.) LOWER: 1.8% UPPER: 19.8%
EXTINGUISHING MEDIA:
Alcohol Foam or Water Fog or Carbon Dioxide or Dry Chemical.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form toxic materials; Carbon Dioxide and Carbon Monoxide, etc.

BASIC FIREFIGHTING PROCEDURES:

Wear self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

SECTION V - HEALTH HAZARD INFORMATION

PERMISSIBLE EXPOSURE LEVEL - 25 PPM (SKIN)

THRESHOLD LIMIT VALUE - 5 PPM (SKIN)

INGESTION:

May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SKIN EFFECTS:

SLIGHTLY TO MODERATELY IRRITATING. Repeated or prolonged skin contact can cause irritation, defatting and dermatitis. Can be absorbed in toxic amounts, especially from prolonged or repeated exposure

EYE:

Can cause moderate irritation, redness and tearing.

INHALATION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

EFFECTS OF CHRONIC OVEREXPOSURE:

Recent data indicate that repeated exposure of test animals to Glycol Ether Em (Ethylene glycol Monomethyl Ether) can produce the following adverse chronic effects: Testicular changes; Blood changes; Birth defects; Fetotoxicity/Embryotoxicity; Infertility; Maternal toxicity.

Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: Liver Abnormalities, Kidney Damage, Lung Damage and Blood Abnormalities.

CANCER INFORMATION: There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the international agency for research on cancer, the national toxicology program, or the occupational safety and health administration.

SECTION VI - EMERGENCY & FIRST AID PROCEDURES**INGESTION:**

Immediately drink two glasses of water and induce vomiting by either giving Ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT:

Wash area of contact thoroughly with soap and water. Remove contaminated clothing immediately. Get medical attention if irritation persists.

EYE CONTACT:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

INHALATION:

Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Keep affected person warm and at rest. Get immediate medical attention.

SECTION VII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION:

Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance. Have eye washes readily available where eye contact can occur.

SKIN PROTECTION:

Wear impervious gloves and protective clothing to prevent skin contact. Use good personal hygiene. Wear regularly cleaned work clothing. Showering and changing into street clothing after work is desirable.

RESPIRATORY PROTECTION:

Ventilation may be used to control or reduce airborne concentrations. NIOSH/MSHA approved breathing equipment may be required for non-routine and emergency use.

OTHER PROTECTIVE EQUIPMENT:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION VIII - REACTIVITY DATA

STABILITY/INCOMPATIBILITY:

Stable under normal conditions of use. Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION:

CANNOT OCCUR

SECTION IX - ENVIRONMENTAL INFORMATION

SPILL OR RELEASE TO THE ENVIRONMENT:

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood.

LARGE SPILL: Eliminate all ignition sources (Flares, Flames including pilot lights, Electrical Sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading and pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay earth, floor absorbent, or other absorbent material and shoveled into containers.

WASTE DISPOSAL METHOD (Large or Small Spills):

Dispose of in compliance with all applicable Federal, State, and Local regulations.

SECTION X - SPECIAL PRECAUTIONS

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (Vapor, Liquid, and/or Solid), all hazard precautions given in the data sheet must be observed.

OTHER PRECAUTIONS: N/A

SECTION XI - TRANSPORTATION REQUIREMENTS

- | | |
|-----------------------------|--|
| D.O.T. HAZARD CLASS | - Flammable liquid |
| D.O.T. PROPER SHIPPING NAME | - Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PGIII |
| D.O.T. LABELS REQUIRED | - Flammable Liquid |
| D.O.T. PLACARDS REQUIRED | - Flammable Liquid |
| BILL OF LADING DESCRIPTION | - Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PG III |
| UN/NA CODE | - Un 1188 |

SECTION XII- REGULATORY INFORMATION

State and local regulations

California proposition 65

The following statement is made in order to comply with the California safe drinking water and toxic enforcement act of 1986: this product contains the following substance(s) known to the state of California to cause reproductive harm.

Ethylene glycol monomethyl ether

Ethylene glycol monoethyl ether

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA(UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ- 40 CFR 302.4(a) None listed

SARA 302 COMPONENTS-40 CFR 355 Appendix A- None

Section 311/312 Hazard Class-40 CFR 370.2 Immediate- delayed- fire

Sara 313 components- 40 CFR 372.65

Section 313 Components

CAS Number %

2- METHOXYETHANOL

109-86-4 100

International Regulations

Inventory Status

DSL(CANADA) The intentional ingredients of this product are listed.

New Jersey RTK Label Information

2- METHOXYETHANOL

CAS # 109-86-4

Pennsylvania RTKLabel Information

ETHANOL, 2 -METHOXY-

CAS # 109-86-4

Other information :

Products containing glycol ether ee , em or their acetates should not be sold for use in consumer applications.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances..

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 HACOL 16-3-2A
*Revised 05/14/04
Replaces 02/11/99

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HACOL 16-3-2A TRANSPARENT ROYAL BLUE

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFO/SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - 24 HOURS (800) 424-9300
CHEMICAL FAMILY/NAME - Ethylene Glycol Monomethyl Ether w/Organic Pigment
TRADE NAME - HACOL 16-3-2A Transparent ROYAL BLUE Liquid Colors
NFPA RATING: Health - 2 / Reactivity - 0 / Flammability - 2
HMIS HAZARD RATINGS: N/D

SECTION II - HAZARDOUS INGREDIENTS

If present, IARC, NTP, and OSHA carcinogens and chemicals subject to the reporting requirements of SARA TITLE III SECTION 313 are identified in this section.

<u>COMPONENTS</u>	<u>CAS #</u>	<u>%</u>	<u>PEL</u>	<u>TLV(units)</u>
ETHYLENE GLYCOL				
MONOMETHYL ETHER	109-86-4	64-68	25 PPM	5PPM -
9,10 ANTHRACENEDIONE 1-(ALKYLAMONO)				
ANTHRAQUINONE DYNE	68239-61-2	.6-.8	N/D	N/D
COPPER PHTHALOCYAMINE BLUE	147-14-8	1.3 - 2.3	N/D	N/D
COPPER	7440-50-8	.2-.4	N/D	N/D
UNSATURATED POLYESTER				
ALKYD(PRE-POLYMER)	MIXTURE	28-35	N/D	N/D
DIBUTYL PHTHALATE	84-74-2	1-2	N/D	N/D

NOTES:

1) THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III - PHYSICAL DATA

APPEARANCE, COLOR & ODOR - ROYAL BLUE LIQUID
BOILING POINT - 254.30 - 257.00 Deg F @ 760 mm Hg
VAPOR PRESSURE - 9.50 mm Hg @ 77.00 Deg F
VAPOR DENSITY (Air = 1) - 2.6
SPECIFIC GRAVITY - 1.03 @ 68.00 Deg F
SOLUBILITY IN WATER - N/D
PERCENT VOLATILE - 65 %
EVAPORATION RATE - 0.62

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT (PMCC) - 105.00 Deg F
FLAMMABILITY LIMITS IN AIR (%BY VOL.) LOWER: 1.8% UPPER: 19.8%
EXTINGUISHING MEDIA:
Alcohol Foam or Water Fog or Carbon Dioxide or Dry Chemical.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form toxic materials; Carbon Dioxide and Carbon Monoxide, etc.

BASIC FIREFIGHTING PROCEDURES:

Wear self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

SECTION V - HEALTH HAZARD INFORMATION

PERMISSIBLE EXPOSURE LEVEL - 25 PPM (SKIN)

THRESHOLD LIMIT VALUE - 5 PPM (SKIN)

INGESTION:

May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SKIN EFFECTS:

SLIGHTLY TO MODERATELY IRRITATING. Repeated or prolonged skin contact can cause irritation, defatting and dermatitis. Can be absorbed in toxic amounts, especially from prolonged or repeated exposure

EYE:

Can cause moderate irritation, redness and tearing.

INHALATION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

EFFECTS OF CHRONIC OVEREXPOSURE:

Recent data indicate that repeated exposure of test animals to Glycol Ether Em (Ethylene glycol Monomethyl Ether) can produce the following adverse chronic effects: Testicular changes; Blood changes; Birth defects; Fetotoxicity/Embryotoxicity; Infertility; Maternal toxicity.

Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: Liver Abnormalities, Kidney Damage, Lung Damage and Blood Abnormalities.

CANCER INFORMATION: There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the international agency for research on cancer, the national toxicology program, or the occupational safety and health administration.

SECTION VI - EMERGENCY & FIRST AID PROCEDURES**INGESTION:**

Immediately drink two glasses of water and induce vomiting by either giving Ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT:

Wash area of contact thoroughly with soap and water. Remove contaminated clothing immediately. Get medical attention if irritation persists.

EYE CONTACT:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

INHALATION:

Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Keep affected person warm and at rest. Get immediate medical attention.

SECTION VII - PERSONAL PROTECTION INFORMATION**EYE PROTECTION:**

Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance. Have eye washes readily available where eye contact can occur.

SKIN PROTECTION:

Wear impervious gloves and protective clothing to prevent skin contact. Use good personal hygiene. Wear regularly cleaned work clothing. Showering and changing into street clothing after work is desirable.

RESPIRATORY PROTECTION:

Ventilation may be used to control or reduce airborne concentrations. NIOSH/MSHA approved breathing equipment may be required for non-routine and emergency use.

OTHER PROTECTIVE EQUIPMENT:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION VIII - REACTIVITY DATA**STABILITY/INCOMPATIBILITY:**

Stable under normal conditions of use. Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION:

CANNOT OCCUR

SECTION IX - ENVIRONMENTAL INFORMATION**SPILL OR RELEASE TO THE ENVIRONMENT:**

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood.

LARGE SPILL: Eliminate all ignition sources (Flares, Flames including pilot lights, Electrical Sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading and pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay earth, floor absorbent, or other absorbent material and shoveled into containers.

WASTE DISPOSAL METHOD (Large or Small Spills):

Dispose of in compliance with all applicable Federal, State, and Local regulations.

SECTION X - SPECIAL PRECAUTIONS

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (Vapor, Liquid, and/or Solid), all hazard precautions given in the data sheet must be observed.

OTHER PRECAUTIONS: N/A

SECTION XI - TRANSPORTATION REQUIREMENTS

D.O.T. HAZARD CLASS	- Flammable liquid
D.O.T. PROPER SHIPPING NAME	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PGIII
D.O.T. LABELS REQUIRED	- Flammable Liquid
D.O.T. PLACARDS REQUIRED	- Flammable Liquid
BILL OF LADING DESCRIPTION	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PG III
UN/NA CODE	- Un 1188

SECTION XII- REGULATORY INFORMATION

State and local regulations

California proposition 65

The following statement is made in order to comply with the California safe drinking water and toxic enforcement act of 1986: this product contains the following substance(s) known to the state of California to cause reproductive harm.

Ethylene glycol monomethyl ether

Ethylene glycol monoethyl ether

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA(UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ- 40 CFR 302.4(a) None listed

SARA 302 COMPONENTS-40 CFR 355 Appendix A- None

Section 311/312 Hazard Class-40 CFR 370.2 Immediate- delayed- fire

Sara 313 components- 40 CFR 372.65

Section 313 Components

2- METHOXYETHANOL

CAS Number %

109-86-4 100

International Regulations

Inventory Status

DSL(CANADA) The intentional ingredients of this product are listed.

New Jersey RTK Label Information

2- METHOXYETHANOL

CAS # 109-86-4

Pennsylvania RTKLabel Information

ETHANOL, 2 -METHOXY-

CAS # 109-86-4 (NEXT PAGE)

Other information :

Products containing glycol ether ee , em or their acetates should not be sold for use in consumer applications.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances..

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 HACOL 16-3-4
*Revised 05/14/04
Replaces 02/11/99

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HACOL 16-3-4 TRANSPARENT GREEN

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFO/SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - 24 HOURS (800) 424-9300
CHEMICAL FAMILY/NAME - Ethylene Glycol Monomethyl Ether w/Organic Pigment
TRADE NAME - HACOL 16-3-4 Transparent GREEN Liquid Colors
NFPA RATING: Health - 2 / Reactivity - 0 / Flammability - 2
HMIS HAZARD RATINGS: N/D

SECTION II - HAZARDOUS INGREDIENTS

If present, IARC, NTP, and OSHA carcinogens and chemicals subject to the reporting requirements of SARA TITLE III SECTION 313 are identified in this section.

<u>COMPONENTS</u>	<u>CAS #</u>	<u>%</u>	<u>PEL</u>	<u>TLV(units)</u>
ETHYLENE GLYCOL				
MONOMETHYL ETHER	109-86-4	65-70	25 PPM	5PPM -
COPPER PNTHALOCYAMINE BLUE	147-14-8	1-2	N/D	N/D
COPPER	7440-50-8	.1-.2	N/D	N/D
UNSATURATED POLYESTER				
ALKYD(PRE-POLYMER)	MIXTURE	29-32	N/D	N/D
DIBUYTL PHTALATE	84-74-2	.7-.9	N/D	N/D

NOTES:

1)THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III - PHYSICAL DATA

APPEARANCE, COLOR & ODOR - GREEN LIQUID
BOILING POINT - 254.30 - 257.00 Deg F @ 760 mm Hg
VAPOR PRESSURE - 9.50 mm Hg @ 77.00 Deg F
VAPOR DENSITY (Air = 1) - 2.6
SPECIFIC GRAVITY - 1.02 @ 68.00 Deg F
SOLUBILITY IN WATER - N/D
PERCENT VOLATILE - 65 %
EVAPORATION RATE - 0.62

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT (PMCC) - 105.00 Deg F
FLAMMABILITY LIMITS IN AIR (%BY VOL.)LOWER: 1.8% UPPER: 19.8%

EXTINGUISHING MEDIA:

Alcohol Foam or Water Fog or Carbon Dioxide or Dry Chemical.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form toxic materials; Carbon Dioxide and Carbon Monoxide, etc.

BASIC FIREFIGHTING PROCEDURES:

Wear self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

SECTION V - HEALTH HAZARD INFORMATION

PERMISSIBLE EXPOSURE LEVEL - 25 PPM (SKIN)

THRESHOLD LIMIT VALUE - 5 PPM (SKIN)

INGESTION:

May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SKIN EFFECTS:

SLIGHTLY TO MODERATELY IRRITATING. Repeated or prolonged skin contact can cause irritation, defatting and dermatitis. Can be absorbed in toxic amounts, especially from prolonged or repeated exposure

EYE:

Can cause moderate irritation, redness and tearing.

INHALATION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

EFFECTS OF CHRONIC OVEREXPOSURE:

Recent data indicate that repeated exposure of test animals to Glycol Ether Em (Ethylene glycol Monomethyl Ether) can produce the following adverse chronic effects: Testicular changes; Blood changes; Birth defects; Fetotoxicity/Embryotoxicity; Infertility; Maternal toxicity.

Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: Liver Abnormalities, Kidney Damage, Lung Damage and Blood Abnormalities.

CANCER INFORMATION: There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the international agency for research on cancer, the national toxicology program, or the occupational safety and health administration.

SECTION VI - EMERGENCY & FIRST AID PROCEDURES**INGESTION:**

Immediately drink two glasses of water and induce vomiting by either giving Ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT:

Wash area of contact thoroughly with soap and water. Remove contaminated clothing immediately. Get medical attention if irritation persists.

HACOL 16-3-4 GREEN

REVISED 05/14/04

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EYE CONTACT:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

INHALATION:

Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Keep affected person warm and at rest. Get immediate medical attention.

SECTION VII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION:

Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance. Have eye washes readily available where eye contact can occur.

SKIN PROTECTION:

Wear impervious gloves and protective clothing to prevent skin contact. Use good personal hygiene. Wear regularly cleaned work clothing. Showering and changing into street clothing after work is desirable.

RESPIRATORY PROTECTION:

Ventilation may be used to control or reduce airborne concentrations. NIOSH/MSHA approved breathing equipment may be required for non-routine and emergency use.

OTHER PROTECTIVE EQUIPMENT:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION VIII - REACTIVITY DATA

STABILITY/INCOMPATIBILITY:

Stable under normal conditions of use. Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION:

CANNOT OCCUR

SECTION IX - ENVIRONMENTAL INFORMATION

SPILL OR RELEASE TO THE ENVIRONMENT:

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood.

LARGE SPILL: Eliminate all ignition sources (Flares, Flames including pilot lights, Electrical Sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading and pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay earth, floor absorbent, or other absorbent material and shoveled into containers.

WASTE DISPOSAL METHOD (Large or Small Spills):

Dispose of in compliance with all applicable Federal, State, and Local regulations.

SECTION X - SPECIAL PRECAUTIONS

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (Vapor, Liquid, and/or Solid), all hazard precautions given in the data sheet must be observed.

OTHER PRECAUTIONS: N/A

SECTION XI - TRANSPORTATION REQUIREMENTS

D.O.T. HAZARD CLASS	- Flammable liquid
D.O.T. PROPER SHIPPING NAME	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PGIII
D.O.T. LABELS REQUIRED	- Flammable Liquid
D.O.T. PLACARDS REQUIRED	- Flammable Liquid
BILL OF LADING DESCRIPTION	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PG III
UN/NA CODE	- Un 1188

SECTION XII- REGULATORY INFORMATION

State and local regulations

California proposition 65

The following statement is made in order to comply with the California safe drinking water and toxic enforcement act of 1986: this product contains the following substance(s) known to the state of California to cause reproductive harm.

Ethylene glycol monomethyl ether

Ethylene glycol monoethyl ether

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA(UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ- 40 CFR 302.4(a) None listed

SARA 302 COMPONENTS-40 CFR 355 Appendix A- None

Section 311/312 Hazard Class-40 CFR 370.2 Immediate- delayed- fire

Sara 313 components- 40 CFR 372.65

Section 313 Components

2- METHOXYETHANOL

CAS Number %

109-86-4 100

International Regulations

Inventory Status

DSL(CANADA) The intentional ingredients of this product are listed.

New Jersey RTK Label Information

2- METHOXYETHANOL

CAS # 109-86-4

Pennsylvania RTKLabel Information

ETHANOL, 2 -METHOXY-

CAS # 109-86-4

Other information :

Products containing glycol ether ee , em or their acetates should not be sold for use in consumer applications.

HACOL 16-3-4 GREEN
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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances..

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 HACOL 16-3-6
*Revised 05/14/04
Replaces 02/11/99

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HACOL 16-3-6 TRANSPARENT RED

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFO/SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - 24 HOURS (800) 424-9300
CHEMICAL FAMILY/NAME - Ethylene Glycol Monomethyl Ether w/Organic Pigment
TRADE NAME - HACOL 16-3-6 Transparent RED Liquid Colors
NFPA RATING: Health - 2 / Reactivity - 0 / Flammability - 2
HMIS HAZARD RATINGS: N/D

SECTION II - HAZARDOUS INGREDIENTS

If present, IARC, NTP, and OSHA carcinogens and chemicals subject to the reporting requirements of SARA TITLE III SECTION 313 are identified in this section.

<u>COMPONENTS</u>	<u>CAS #</u>	<u>%</u>	<u>PEL</u>	<u>TLV(units)</u>
ETHYLENE GLYCOL MONOMETHYL ETHER	109-86-4	65-70	25 PPM	5PPM -
9,10 ANTHRACENEDIONC 1-ALKYAMINO ANTHRAUINONE DYE	1096-48-6	2-4	N/D	N/D
COPPER	7440-50-8	.1-2	N/D	N/D
UNSATURATED POLYESTER ALKYD(PRE-POLYMER)	MIXTURE	29-32	N/D	N/D
DIBUYTL PHTALATE	84-74-2	1-3	N/D	N/D

NOTES:

1)THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III - PHYSICAL DATA

APPEARANCE, COLOR & ODOR - RED LIQUID
BOILING POINT - 254.30 - 257.00 Deg F @ 760 mm Hg
VAPOR PRESSURE - 9.50 mm Hg @ 77.00 Deg F
VAPOR DENSITY (Air = 1) - 2.6
SPECIFIC GRAVITY - 1.02 @ 68.00 Deg F
SOLUBILITY IN WATER - N/D
PERCENT VOLATILE - 65 %
EVAPORATION RATE - 0.62

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT (PMCC) - 105.00 Deg F
FLAMMABILITY LIMITS IN AIR (%BY VOL.)LOWER: 1.8% UPPER: 19.8%

EXTINGUISHING MEDIA:

Alcohol Foam or Water Fog or Carbon Dioxide or Dry Chemical.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form toxic materials; Carbon Dioxide and Carbon Monoxide, etc.

BASIC FIREFIGHTING PROCEDURES:

Wear self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

SECTION V - HEALTH HAZARD INFORMATION

PERMISSIBLE EXPOSURE LEVEL - 25 PPM (SKIN)

THRESHOLD LIMIT VALUE - 5 PPM (SKIN)

INGESTION:

May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SKIN EFFECTS:

SLIGHTLY TO MODERATELY IRRITATING. Repeated or prolonged skin contact can cause irritation, defatting and dermatitis. Can be absorbed in toxic amounts, especially from prolonged or repeated exposure

EYE:

Can cause moderate irritation, redness and tearing.

INHALATION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

EFFECTS OF CHRONIC OVEREXPOSURE:

Recent data indicate that repeated exposure of test animals to Glycol Ether Em (Ethylene glycol Monomethyl Ether) can produce the following adverse chronic effects: Testicular changes; Blood changes; Birth defects; Fetotoxicity/Embryotoxicity; Infertility; Maternal toxicity.

Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: Liver Abnormalities, Kidney Damage, Lung Damage and Blood Abnormalities.

CANCER INFORMATION: There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the international agency for research on cancer, the national toxicology program, or the occupational safety and health administration.

SECTION VI - EMERGENCY & FIRST AID PROCEDURES**INGESTION:**

Immediately drink two glasses of water and induce vomiting by either giving Ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT:

Wash area of contact thoroughly with soap and water. Remove contaminated clothing immediately. Get

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medical attention if irritation persists.

EYE CONTACT:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

INHALATION:

Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Keep affected person warm and at rest. Get immediate medical attention.

SECTION VII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION:

Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance. Have eye washes readily available where eye contact can occur.

SKIN PROTECTION:

Wear impervious gloves and protective clothing to prevent skin contact. Use good personal hygiene. Wear regularly cleaned work clothing. Showering and changing into street clothing after work is desirable.

RESPIRATORY PROTECTION:

Ventilation may be used to control or reduce airborne concentrations. NIOSH/MSHA approved breathing equipment may be required for non-routine and emergency use.

OTHER PROTECTIVE EQUIPMENT:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION VIII - REACTIVITY DATA

STABILITY/INCOMPATIBILITY:

Stable under normal conditions of use. Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION:

CANNOT OCCUR

SECTION IX - ENVIRONMENTAL INFORMATION

SPILL OR RELEASE TO THE ENVIRONMENT:

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood.

LARGE SPILL: Eliminate all ignition sources (Flares, Flames including pilot lights, Electrical Sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill

to prevent spreading and pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay earth, floor absorbent, or other absorbent material and shoveled into containers.

HACOL 16-3- 6 RED

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WASTE DISPOSAL METHOD (Large or Small Spills):

Dispose of in compliance with all applicable Federal, State, and Local regulations.

SECTION X - SPECIAL PRECAUTIONS

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (Vapor, Liquid, and/or Solid), all hazard precautions given in the data sheet must be observed.

OTHER PRECAUTIONS: N/A

SECTION XI - TRANSPORTATION REQUIREMENTS

D.O.T. HAZARD CLASS	- Flammable liquid
D.O.T. PROPER SHIPPING NAME	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PGIII
D.O.T. LABELS REQUIRED	- Flammable Liquid
D.O.T. PLACARDS REQUIRED	- Flammable Liquid
BILL OF LADING DESCRIPTION	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PG III
UN/NA CODE	- Un 1188

SECTION XII- REGULATORY INFORMATION

State and local regulations

California proposition 65

The following statement is made in order to comply with the California safe drinking water and toxic enforcement act of 1986: this product contains the following substance(s) known to the state of California to cause reproductive harm.

Ethylene glycol monomethyl ether

Ethylene glycol monoethyl ether

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA(UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ- 40 CFR 302.4(a) None listed

SARA 302 COMPONENTS-40 CFR 355 Appendix A- None

Section 311/312 Hazard Class-40 CFR 370.2 Immediate- delayed- fire

Sara 313 components- 40 CFR 372.65

Section 313 Components

CAS Number %

2- METHOXYETHANOL

109-86-4 100

International Regulations

Inventory Status

DSL(CANADA) The intentional ingredients of this product are listed.

New Jersey RTK Label Information

2- METHOXYETHANOL
Pennsylvania RTKLabel Information
ETHANOL, 2 -METHOXY-

CAS # 109-86-4
CAS # 109-86-4

**HACOL 16-3- 6 RED
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Other information :

Products containing glycol ether ee , em or their acetates should not be sold for use in consumer applications. The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances..

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 HACOL 16-3-7A
*Revised 05/25/04
Replaces 02/11/99

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HACOL 16-3-7A TRANSPARENT VIOLET

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFO/SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - 24 HOURS (800) 424-9300
CHEMICAL FAMILY/NAME - Ethylene Glycol Monomethyl Ether w/Organic Pigment
TRADE NAME - HACOL 16-3-7A Transparent Violet Liquid Colors
NFPA RATING: Health - 2 / Reactivity - 0 / Flammability - 2
HMIS HAZARD RATINGS: N/D

SECTION II - HAZARDOUS INGREDIENTS

If present, IARC, NTP, and OSHA carcinogens and chemicals subject to the reporting requirements of SARA TITLE III SECTION 313 are identified in this section.

<u>COMPONENTS</u>	<u>CAS #</u>	<u>%</u>	<u>PEL</u>	<u>TLV(units)</u>
ETHYLENE GLYCOL				
MONOMETHYL ETHER	109-86-4	65-70	25 PPM	5PPM -
9,10 ANTHRACENEDIONIC	68239-61-2	1.4-2.0	N/D	2,3
COPPER PHTHALOCYAMINE BLUE	147-14-8	1.5-2.5	N/D	N/D
COPPER	7440-50-8	.25-.35	N/D	N/D
UNSATURATED POLYESTER				
ALKYD(PRE-POLYMER)	MIXTURE	28-35	N/D	N/D
DIBUYTL PHTALATE	84-74-2	1-3	N/D	N/D

NOTES:

1) THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III - PHYSICAL DATA

APPEARANCE, COLOR & ODOR - VIOLET LIQUID
BOILING POINT - 254.30 - 257.00 Deg F @ 760 mm Hg
VAPOR PRESSURE - 9.50 mm Hg @ 77.00 Deg F
VAPOR DENSITY (Air = 1) - 2.6
SPECIFIC GRAVITY - 1.01 @ 68.00 Deg F
SOLUBILITY IN WATER - N/D
PERCENT VOLATILE - 70 %
EVAPORATION RATE - 0.62

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT (PMCC) - 105.00 Deg F
FLAMMABILITY LIMITS IN AIR (%BY VOL.) LOWER: 1.8% UPPER: 19.8%

EXTINGUISHING MEDIA:

Alcohol Foam or Water Fog or Carbon Dioxide or Dry Chemical.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form toxic materials; Carbon Dioxide and Carbon Monoxide, etc.

BASIC FIREFIGHTING PROCEDURES:

Wear self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

SECTION V - HEALTH HAZARD INFORMATION

PERMISSIBLE EXPOSURE LEVEL - 25 PPM (SKIN)

THRESHOLD LIMIT VALUE - 5 PPM (SKIN)

INGESTION:

May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SKIN EFFECTS:

SLIGHTLY TO MODERATELY IRRITATING. Repeated or prolonged skin contact can cause irritation, defatting and dermatitis. Can be absorbed in toxic amounts, especially from prolonged or repeated exposure

EYE:

Can cause moderate irritation, redness and tearing.

INHALATION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

EFFECTS OF CHRONIC OVEREXPOSURE:

Recent data indicate that repeated exposure of test animals to Glycol Ether Em (Ethylene glycol Monomethyl Ether) can produce the following adverse chronic effects: Testicular changes; Blood changes; Birth defects; Fetotoxicity/Embryotoxicity; Infertility; Maternal toxicity.

Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: Liver Abnormalities, Kidney Damage, Lung Damage and Blood Abnormalities.

CANCER INFORMATION: There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the international agency for research on cancer, the national toxicology program, or the occupational safety and health administration.

SECTION VI - EMERGENCY & FIRST AID PROCEDURES**INGESTION:**

Immediately drink two glasses of water and induce vomiting by either giving Ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT:

Wash area of contact thoroughly with soap and water. Remove contaminated clothing immediately. Get medical attention if irritation persists.

EYE CONTACT:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

INHALATION:

Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Keep affected person warm and at rest. Get immediate medical attention.

SECTION VII - PERSONAL PROTECTION INFORMATION**EYE PROTECTION:**

Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance. Have eye washes readily available where eye contact can occur.

SKIN PROTECTION:

Wear impervious gloves and protective clothing to prevent skin contact. Use good personal hygiene. Wear regularly cleaned work clothing. Showering and changing into street clothing after work is desirable.

RESPIRATORY PROTECTION:

Ventilation may be used to control or reduce airborne concentrations. NIOSH/MSHA approved breathing equipment may be required for non-routine and emergency use.

OTHER PROTECTIVE EQUIPMENT:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION VIII - REACTIVITY DATA**STABILITY/INCOMPATIBILITY:**

Stable under normal conditions of use. Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION:

CANNOT OCCUR

SECTION IX - ENVIRONMENTAL INFORMATION**SPILL OR RELEASE TO THE ENVIRONMENT:**

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood.

LARGE SPILL: Eliminate all ignition sources (Flares, Flames including pilot lights, Electrical Sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading and pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay earth, floor absorbent, or other absorbent material and shoveled into containers.

WASTE DISPOSAL METHOD (Large or Small Spills):

Dispose of in compliance with all applicable Federal, State, and Local regulations.

HACOL 16-3-7A VIOLET

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SECTION X - SPECIAL PRECAUTIONS

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (Vapor, Liquid, and/or Solid), all hazard precautions given in the data sheet must be observed.

OTHER PRECAUTIONS: N/A

SECTION XI - TRANSPORTATION REQUIREMENTS

D.O.T. HAZARD CLASS	- Flammable liquid
D.O.T. PROPER SHIPPING NAME	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PGIII
D.O.T. LABELS REQUIRED	- Flammable Liquid
D.O.T. PLACARDS REQUIRED	- Flammable Liquid
BILL OF LADING DESCRIPTION	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PG III
UN/NA CODE	- Un 1188

SECTION XII- REGULATORY INFORMATION

State and local regulations

California proposition 65

The following statement is made in order to comply with the California safe drinking water and toxic enforcement act of 1986: this product contains the following substance(s) known to the state of California to cause reproductive harm.

Ethylene glycol monomethyl ether

Ethylene glycol monoethyl ether

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA(UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ- 40 CFR 302.4(a) None listed

SARA 302 COMPONENTS-40 CFR 355 Appendix A- None

Section 311/312 Hazard Class-40 CFR 370.2 Immediate- delayed- fire

Sara 313 components- 40 CFR 372.65

Section 313 Components

CAS Number %

2- METHOXYETHANOL

109-86-4 100

International Regulations

Inventory Status

DSL(CANADA) The intentional ingredients of this product are listed.

New Jersey RTK Label Information

2- METHOXYETHANOL

CAS # 109-86-4

Pennsylvania RTKLabel Information

ETHANOL, 2 -METHOXY-

CAS # 109-86-4

Other information :

Products containing glycol ether ee , em or their acetates should not be sold for use in consumer applications. The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is

current, applicable, and suitable to their circumstances..

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 HACOL 16-3-8
*Revised 05/25/04
Replaces 02/11/99

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HACOL 16-3-8 TRANSPARENT WHITE

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME - HASTINGS PLASTICS COMPANY
PRODUCT INFO/SALES - (310) 829-3449
EMERGENCY PHONE NUMBER - 24 HOURS (800) 424-9300
CHEMICAL FAMILY/NAME - Ethylene Glycol Monomethyl Ether w/Organic Pigment
TRADE NAME - HACOL 16-3-8 Transparent WHITE Liquid Colors
NFPA RATING: Health - 2 / Reactivity - 0 / Flammability - 2
HMIS HAZARD RATINGS: N/D

SECTION II - HAZARDOUS INGREDIENTS

If present, IARC, NTP, and OSHA carcinogens and chemicals subject to the reporting requirements of SARA TITLE III SECTION 313 are identified in this section.

<u>COMPONENTS</u>	<u>CAS #</u>	<u>%</u>	<u>PEL</u>	<u>TLV(units)</u>
ETHYLENE GLYCOL MONOMETHYL ETHER	109-86-4	70-75	25 PPM	5PPM -
UNSATURATED POLYESTER ALKYD(PRE-POLYMER)	MIXTURE	9-12	N/D	N/D
DIBUYTL PHTALATE	84-74-2	.9-1.0	N/D	N/D

NOTES:

1)THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III - PHYSICAL DATA

APPEARANCE, COLOR & ODOR - WHITE LIQUID
BOILING POINT - 254.30 - 257.00 Deg F @ 760 mm Hg
VAPOR PRESSURE - 9.50 mm Hg @ 77.00 Deg F
VAPOR DENSITY (Air = 1) - 2.6
SPECIFIC GRAVITY - 1.17 @ 68.00 Deg F
SOLUBILITY IN WATER - N/D
PERCENT VOLATILE - 75 %
EVAPORATION RATE - 0.62

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT (PMCC) - 105.00 Deg F
FLAMMABILITY LIMITS IN AIR (%BY VOL.)LOWER: 1.8% UPPER: 19.8%

EXTINGUISHING MEDIA:

Alcohol Foam or Water Fog or Carbon Dioxide or Dry Chemical.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form toxic materials; Carbon Dioxide and Carbon Monoxide, etc.

BASIC FIREFIGHTING PROCEDURES:

Wear self-contained breathing apparatus with full face piece operated in the positive pressure demand mode when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

SECTION V - HEALTH HAZARD INFORMATION

PERMISSIBLE EXPOSURE LEVEL - 25 PPM (SKIN)

THRESHOLD LIMIT VALUE - 5 PPM (SKIN)

INGESTION:

May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SKIN EFFECTS:

SLIGHTLY TO MODERATELY IRRITATING. Repeated or prolonged skin contact can cause irritation, defatting and dermatitis. Can be absorbed in toxic amounts, especially from prolonged or repeated exposure

EYE:

Can cause moderate irritation, redness and tearing.

INHALATION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

EFFECTS OF CHRONIC OVEREXPOSURE:

Recent data indicate that repeated exposure of test animals to Glycol Ether Em (Ethylene glycol Monomethyl Ether) can produce the following adverse chronic effects: Testicular changes; Blood changes; Birth defects; Fetotoxicity/Embryotoxicity; Infertility; Maternal toxicity.

Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: Liver Abnormalities, Kidney Damage, Lung Damage and Blood Abnormalities.

CANCER INFORMATION: There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the international agency for research on cancer, the national toxicology program, or the occupational safety and health administration.

SECTION VI - EMERGENCY & FIRST AID PROCEDURES**INGESTION:**

Immediately drink two glasses of water and induce vomiting by either giving Ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT:

Wash area of contact thoroughly with soap and water. Remove contaminated clothing immediately.

Get medical attention if irritation persists.

HACOL 16-3-8 WHITE

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EYE CONTACT:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

INHALATION:

Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Keep affected person warm and at rest. Get immediate medical attention.

SECTION VII - PERSONAL PROTECTION INFORMATION

EYE PROTECTION:

Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance. Have eye washes readily available where eye contact can occur.

SKIN PROTECTION:

Wear impervious gloves and protective clothing to prevent skin contact. Use good personal hygiene. Wear regularly cleaned work clothing. Showering and changing into street clothing after work is desirable.

RESPIRATORY PROTECTION:

Ventilation may be used to control or reduce airborne concentrations. NIOSH/MSHA approved breathing equipment may be required for non-routine and emergency use.

OTHER PROTECTIVE EQUIPMENT:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION VIII - REACTIVITY DATA

STABILITY/INCOMPATIBILITY:

Stable under normal conditions of use. Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION:

CANNOT OCCUR

SECTION IX - ENVIRONMENTAL INFORMATION

SPILL OR RELEASE TO THE ENVIRONMENT:

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood.

LARGE SPILL: Eliminate all ignition sources (Flares, Flames including pilot lights, Electrical Sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading and pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay earth, floor absorbent, or other absorbent material and shoveled into containers.

WASTE DISPOSAL METHOD (Large or Small Spills):

Dispose of in compliance with all applicable Federal, State, and Local regulations.

HACOL 16-3-8 WHITE

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SECTION X - SPECIAL PRECAUTIONS

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (Vapor, Liquid, and/or Solid), all hazard precautions given in the data sheet must be observed.

OTHER PRECAUTIONS: N/A

SECTION XI - TRANSPORTATION REQUIREMENTS

D.O.T. HAZARD CLASS	- Flammable liquid
D.O.T. PROPER SHIPPING NAME	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PGIII
D.O.T. LABELS REQUIRED	- Flammable Liquid
D.O.T. PLACARDS REQUIRED	- Flammable Liquid
BILL OF LADING DESCRIPTION	- Ethylene Glycol Monomethyl Ether Flammable Liquid Un 1188 PG III
UN/NA CODE	- Un 1188

SECTION XII- REGULATORY INFORMATION

State and local regulations

California proposition 65

The following statement is made in order to comply with the California safe drinking water and toxic enforcement act of 1986: this product contains the following substance(s) known to the state of California to cause reproductive harm.

Ethylene glycol monomethyl ether

Ethylene glycol monoethyl ether

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA(UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ- 40 CFR 302.4(a) None listed

SARA 302 COMPONENTS-40 CFR 355 Appendix A- None

Section 311/312 Hazard Class-40 CFR 370.2 Immediate- delayed- fire

Sara 313 components- 40 CFR 372.65

Section 313 Components

2- METHOXYETHANOL

CAS Number %

109-86-4 100

International Regulations

Inventory Status

DSL(CANADA) The intentional ingredients of this product are listed.

New Jersey RTK Label Information

2- METHOXYETHANOL

CAS # 109-86-4

Pennsylvania RTKLabel Information

ETHANOL, 2 -METHOXY-

CAS # 109-86-4

Other information :

Products containing glycol ether ee , em or their acetates should not be sold for use in consumer applications. The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances..

HACOL 16-3-8 WHITE

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