SAFETY DATA SHEET

Issuing Date No data available **Revision Date** 17-Dec-2015 **Revision Number** 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name **mirror mastic**

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Adhesive - Construction, Panel, and Floor Covering

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Headwest Inc

Supplier Address 15650 S. Avalon Blvd.
Compton
Ca
90220
US

Supplier Phone Number Phone:310-532-5420

Supplier Email cchairez@headwestinc.com

Emergency telephone number

Company Emergency Phone Number 310-415-9175

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B

Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

GHS Label elements, including precautionary statements

Emergency Overview

Signal word **Danger**

Hazard Statements
Causes skin irritation
Causes serious eye irritation
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor

Appearance Tan **Physical state** Paste Liquid **Odor** Alcohol

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ ventilating/ lighting/ equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool
Wear eye/face protection

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Specific treatment (see supplemental first aid instructions on this label)

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Skin
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Ingestion
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting

Fire
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity
0 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

Toxic to aquatic life with long lasting effects
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Interactions with Other Chemicals
No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

.

Chemical name	CAS No	Weight-%	Trade Secret
Naphtha, petroleum, solvent-refined light	64741-84-0	30 - 60	*
Xylene	1330-20-7	7 - 13	*
Hexane	110-54-3	7 - 13	-
Heptanes	142-82-5	7 - 13	*
Acetone	67-64-1	7 - 13	*
Cyclohexane	110-82-7	5 - 10	*
Ethylbenzene	100-41-4	1 - 5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

Ingestion Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a physician or poison control center immediately.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Remove all sources of ignition.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects Burning sensation. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Uniform Fire Code	Flammable Liquid: I-B

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. See section 8 for more information. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
Other Information	Refer to protective measures listed in Sections 7 and 8. Ventilate the area.

Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so. Refer to protective measures listed in Sections 7 and 8. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from moisture. Keep out of the reach of children. Store away from other materials. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products

Strong acids. Strong oxidizing agents. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Xylene 1330-20-7	STEL = 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m³	
Hexane 110-54-3	TWA: 50 ppm S*	TWA: 500 ppm TWA: 1800 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m³	IDLH: 1100 ppm Ceiling: 510 ppm 15 min Ceiling: 1800 mg/m³ 15 min TWA: 50 ppm TWA: 180 mg/m³
Heptanes 142-82-5	STEL: 500 ppm TWA: 400 ppm	TWA: 500 ppm TWA: 2000 mg/m³ (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m³ (vacated) STEL: 500 ppm (vacated) STEL: 2000 mg/m³	IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m³ 15 min TWA: 85 ppm TWA: 350 mg/m³
Acetone 67-64-1	STEL = 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m³ (vacated) TWA: 1800 mg/m³ (vacated) TWA: 750 ppm (vacated) STEL: 1000 ppm (vacated) STEL: 2400 mg/m³	IDLH: 2500 ppm 10% LEL TWA: 250 ppm TWA: 590 mg/m³
Cyclohexane 110-82-7	TWA: 100 ppm	TWA: 300 ppm TWA: 1050 mg/m³ (vacated) TWA: 300 ppm (vacated) TWA: 1050 mg/m³	IDLH: 1300 ppm TWA: 300 ppm TWA: 1050 mg/m³
Ethylbenzene	STEL = 125 ppm	TWA: 100 ppm	IDLH: 800 ppm 10% LEL

100-41-4	TWA: 100 ppm	TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m³	TWA: 100 ppm TWA: 435 mg/m³ STEL: 545 mg/m³ STEL: 125 ppm

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves. Chemical resistant apron. Antistatic boots.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Paste, Liquid		
Appearance	Tan	**Odor**	Alcohol
Color	No information available	**Odor Threshold**	No information available

Property	**Values**	**Remarks Method**
pH	UNKNOWN	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	60 °C / 140 °F	None known
Flash Point	-23.5 C / -10 F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Insoluble	None known
Solubility in other solvents	No data available	None known

Partition coefficient: n-octanol/water	0	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	0	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability
Stable under recommended storage conditions.
Possibility of Hazardous Reactions
None under normal processing.
Conditions to avoid
Heat, flames and sparks.
Incompatible materials
Strong acids. Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information .

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. May cause irritation.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components). Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. (based on components).

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha, petroleum, solvent-refined	> 7000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 73680 ppm (Rat) 4 h

light 64741-84-0			
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit) > 1700 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h
Hexane 110-54-3	= 25 g/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h
Heptanes 142-82-5	-	= 3000 mg/kg (Rabbit)	= 103 g/m³ (Rat) 4 h
Acetone 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m³ (Rat) 8 h
Cyclohexane 110-82-7	= 12705 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 13.9 mg/L (Rat) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms Erythema (skin redness). May cause redness and tearing of the eyes. Difficulty in breathing. Coughing and/ or wheezing. Asthma-like and/ or skin allergy-like symptoms. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects Contains a known or suspected mutagen.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Xylene 1330-20-7		Group 3		
Ethylbenzene 100-41-4	A3	Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity Contains a known or suspected reproductive toxin.

STOT - single exposure Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. Detailed substance and/or ingredient information may be provided in other sections of this SDS. Target organs effects listed in this document may result from a single overexposure to this product.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure. Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from chronic or repeated exposure. (STOT RE).

Chronic Toxicity Contains a known or suspected carcinogen. Possible risk of irreversible effects. Aspiration may cause pulmonary edema and pneumonitis. Avoid repeated exposure. Prolonged

	exposure may cause chronic effects.
Target Organ Effects	Respiratory system. Eyes. Skin. May affect the genetic material in germ cells (sperm and eggs). Gastrointestinal tract (GI). Reproductive System.
Aspiration Hazard	No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
16,735.00 mg/kg
ATEmix (dermal)
6,320.00 mg/kg (ATE)
ATEmix (inhalation-gas)
40,909.00 ppm (4 hr)
ATEmix (inhalation-dust/mist)
13.00 mg/l
ATEmix (inhalation-vapor)
94.00 ATEmix

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Naphtha, petroleum, solvent-refined light 64741-84-0	72h EC50: = 4700 mg/L (Pseudokirchneriella subcapitata)			48h EC50: = 9.74 mg/L
Xylene 1330-20-7		96h LC50: = 13.4 mg/L (Pimephales promelas) 96h LC50: = 19 mg/L (Lepomis macrochirus) 96h LC50: 13.1 - 16.5 mg/L (Lepomis macrochirus) 96h LC50: 13.5 - 17.3 mg/L (Oncorhynchus mykiss) 96h LC50: 2.661 - 4.093 mg/L (Oncorhynchus mykiss) 96h LC50: = 780 mg/L (Cyprinus carpio) 96h LC50: > 780 mg/L (Cyprinus carpio) 96h LC50: 30.26 - 40.75 mg/L (Poecilia reticulata) 96h LC50: 23.53 - 29.97 mg/L (Pimephales promelas) 96h LC50: 7.711 - 9.591 mg/L (Lepomis macrochirus)	EC50 = 0.0084 mg/L 24 h	48h EC50: = 3.82 mg/L 48h LC50: = 0.6 mg/L
Hexane 110-54-3		96h LC50: 2.1 - 2.98 mg/L (Pimephales promelas)		24h EC50: > 1000 mg/L
Heptanes 142-82-5		96h LC50: = 375.0 mg/L (Cichlid fish)		24h EC50: > 10 mg/L
Acetone 67-64-1		96h LC50: 4.74 - 6.33 mL/L (Oncorhynchus mykiss) 96h LC50: 6210 - 8120 mg/L (Pimephales promelas) 96h LC50: = 8300 mg/L (Lepomis macrochirus)	EC50 = 14500 mg/L 15 min	48h EC50: 10294 - 17704 mg/L 48h EC50: 12600 - 12700 mg/L
Cyclohexane 110-82-7	72h EC50: > 500 mg/L (Desmodesmus subspicatus)	96h LC50: 23.03 - 42.07 mg/L (Pimephales promelas) 96h LC50: 24.99 - 44.69 mg/L (Lepomis macrochirus) 96h LC50: 48.87 - 68.76 mg/L (Poecilia reticulata) 96h LC50: 3.96 - 5.18 mg/L (Pimephales promelas)	EC50 = 85.5 mg/L 5 min EC50 = 93 mg/L 10 min	24h EC50: > 400 mg/L
Ethylbenzene 100-41-4	72h EC50: = 4.6 mg/L (Pseudokirchneriella subcapitata) 72h EC50: 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 1.7 - 7.6 mg/L (Pseudokirchneriella subcapitata) 96h EC50: > 438 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 4.2 mg/L (Oncorhynchus mykiss) 96h LC50: 9.1 - 15.6 mg/L (Pimephales promelas) 96h LC50: = 32 mg/L (Lepomis macrochirus) 96h LC50: 7.55 - 11 mg/L (Pimephales promelas) 96h LC50: 11.0 - 18.0 mg/L (Oncorhynchus mykiss) 96h LC50: = 9.6 mg/L (Poecilia reticulata)	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	48h EC50: 1.8 - 2.4 mg/L

Persistence and Degradability

No information available.

Bioaccumulation

Chemical name	Log Pow
Xylene 1330-20-7	3.15
Heptanes 142-82-5	4.66
Acetone 67-64-1	-0.24
Cyclohexane 110-82-7	3.44
Ethylbenzene 100-41-4	3.118

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of weld containers.

US EPA Waste Number D001

California Hazardous Waste Codes 281

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Xylene 1330-20-7	Toxic Ignitable
Hexane 110-54-3	Toxic Ignitable
Heptanes 142-82-5	Toxic Ignitable
Acetone 67-64-1	Ignitable
Cyclohexane 110-82-7	Toxic
Ethylbenzene 100-41-4	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name CONSUMER COMMODITY
Hazard Class ORM-D
Description CONSUMER COMMODITY, ORM-D
Emergency Response Guide Number 128

TDG

UN-No.	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
Description	UN1133, ADHESIVES, 3, II

MEX

UN-No.	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
Description	UN1133, ADHESIVES, 3, II

ICAO

UN-No.	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
Description	UN1133, ADHESIVES, 3, II

IATA

UN-No.	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
ERG Code	3L
Description	UN1133, ADHESIVES, 3, II

IMDG/IMO

UN-No.	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
EmS-No.	F-E, S-D
Description	UN1133, ADHESIVES, 3, II, (-20°C C.C.)

RID

UN-No.	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
Classification code	F1
Description	UN1133, ADHESIVES, 3, II
ADR/RID-Labels	3

ADR

UN-No.	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
Classification code	F1
Tunnel restriction code	D/E
Description	UN1133, ADHESIVES, 3, II, (D/E)

ADN

UN-No.	UN1133
Proper Shipping Name	ADHESIVES
Hazard Class	3
Packing Group	II
Classification code	F1

Special Provisions	640C
Description	UN1133, ADHESIVES, 3, II
Hazard Labels	3
Limited Quantity	5 L
Ventilation	VE01

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.
IECSC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Xylene - 1330-20-7	1330-20-7	7 - 13	1.0
Hexane - 110-54-3	110-54-3	7 - 13	1.0
Cyclohexane - 110-82-7	110-82-7	5 - 10	1.0
Ethylbenzene - 100-41-4	100-41-4	1 - 5	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb			X
Cyclohexane 110-82-7	1000 lb			X
Ethylbenzene 100-41-4	1000 lb	X	X	X

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Xylene 1330-20-7	100 lb		RQ= 100 lb final RQ RQ= 45.4 kg final RQ
Hexane 110-54-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Acetone 67-64-1	5000 lb		RQ= 2270 kg final RQ RQ= 5000 lb final RQ
Cyclohexane	1000 lb		RQ 1000 lb final RQ

110-82-7			RQ 454 kg final RQ
Ethylbenzene 100-41-4	1000 lb		RQ= 1000 lb final RQ RQ= 454 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Ethylbenzene - 100-41-4	Carcinogen

U.S. State Right-to-Know Regulations

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Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Acetone 67-64-1	X	X	X	X	
Hexane 110-54-3	X	X	X	X	X
Xylene 1330-20-7	X	X	X	X	X
Heptanes 142-82-5	X	X	X		
Cyclohexane 110-82-7	X	X	X	X	
Ethylbenzene 100-41-4	X	X	X	X	X

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Xylene 1330-20-7 (7 - 13)		Mexico: TWA= 100 ppm Mexico: TWA= 435 mg/m³ Mexico: STEL= 150 ppm Mexico: STEL= 655 mg/m³
Hexane 110-54-3 (7 - 13)		Mexico: TWA 50 ppm Mexico: TWA 176 mg/m³ Mexico: STEL 1000 ppm Mexico: STEL 3500 mg/m³
Heptanes 142-82-5 (7 - 13)		Mexico: TWA 400 ppm Mexico: TWA 1600 mg/m³ Mexico: STEL 500 ppm Mexico: STEL 2000 mg/m³
Acetone 67-64-1 (7 - 13)		Mexico: TWA= 1000 ppm Mexico: TWA= 2400 mg/m³ Mexico: STEL= 1260 ppm Mexico: STEL= 3000 mg/m³
Cyclohexane 110-82-7 (5 - 10)		Mexico: TWA 300 ppm Mexico: TWA 1050 mg/m³ Mexico: STEL 375 ppm Mexico: STEL 1300 mg/m³
Ethylbenzene 100-41-4 (1 - 5)		Mexico: TWA= 435 mg/m³ Mexico: TWA= 100 ppm Mexico: STEL= 125 ppm Mexico: STEL= 545 mg/m³

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

NFPA	**Health Hazards** 2	**Flammability** 3	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazards** 2 *	**Flammability** 3	**Physical Hazard** 0	**Personal Protection** X

Chronic Hazard Star Legend * = Chronic Health Hazard

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Disclaimer

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End of Safety Data Sheet