Issue date 09/16/2024 Version 1 Revised on 09/16/2024

1. Identification

Product Identifier

Product Name 1480 Fast Set 300 Adhesive - **Resin**

Other means of identification

SDS # 1480 Fast Set 300 Adhesive - **Resin**

Recommended use of the chemical and restrictions on use

Recommended Use General Purpose Adhesive

Details of the supplier of the safety data sheet

Supplier Address

Seymour of Sycamore
917 Crosby Avenue
Sycamore, IL 60178 USA

Seymour of Sycamore
3041 Dougall Avenue, Suite 503
Windsor, ONT N9E 1S3 CANADA

Emergency Telephone Number

Company Phone Number 815-895-9101 | 800-435-4482 (Canada)
Emergency Telephone (24 hr) 1-800-255-3924

2. Hazards Identification

GHS classification in accordance with 29 CFR 1910.1200

Classification

Skin irritation	Category 2
Eye irritation	Category 2B
Skin sensitization	Sub-category 1B

Signal Word

Warning

Hazard Statements

Causes skin and eye irritation.
May cause an allergic skin reaction.

Precautionary Statements - Prevention

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves.

Precautionary Statements - Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Precautionary Statements - Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None Known

(Contd. on page 2)

3. Composition/Information On Ingredients

Substance

Chemical Name	CAS No	Weight-%
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	100

Liquid Epoxy Resins (LERs) are made by reacting bisphenol A and epichlorohydrin. IES uses both CAS No. 25085-99-8 and 1675-54-3 for its LERs. Other manufacturers use CAS No. 25068-38-6 for their LERs. Accordingly, LER manufacturers consider that derivatives of LERs may be described using either CAS number as a starting material.

4. First-Aid Measures

First Aid Measures

Eye Contact Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

Skin Contact Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.

Inhalation Move person to fresh air; if effects occur, consult a physician.

Ingestion No emergency medical treatment necessary.

Most important symptoms and effects

Symptoms Aside from the information found under Description of first aid measures(above)any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-Fighting Measures

Suitable Extinguishing Media Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam.
Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Water fog, applied gently may be used as a blanket for fire extinguishment.

Unsuitable Extinguishing Media Do not use direct water stream. May spread fire.

Specific Hazards Arising from the Chemical Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is emitted when burned without sufficient oxygen.

Hazardous combustion products During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to:
Phenolics. Carbon monoxide. Carbon dioxide.

(Contd. on page 3)

Further information

Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.
Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container.
Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Water fog, applied gently may be used as a blanket for fire extinguishment.
Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.
Review the 'Accidental Release Measures' and the 'Ecological Information' sections of this (M)SDS.

Special protective equipment for fire-fighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with selfcontained breathing apparatus and fight fire from a remote location.
For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to section 7, Handling, for additional precautionary measures.

Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and material for containment and cleaning up

Contain spilled material if possible. Absorb with materials such as: Sand. Polypropylene fiber products. Polyethylene fiber products.
Remove residual with soap and hot water. Collect in suitable and properly labeled containers. Residual can be removed with solvent. Solvents are not recommended for clean-up unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult appropriate solvent Safety Data Sheet for handling information and exposure guidelines. See Section 13, Disposal Considerations, for additional information

7. Handling And Storage

Precautions for safe handling

Advice on Safe Handling

Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Conditions for safe storage

Recommended pumping and storage temperature for bulk shipments is 60°C (140°F). Additional storage and handling information on this product may be obtained by calling your sales or customer service contact. Ask for a product brochure.

Recommended storage temperature

36 - 109 °F / 2 - 43 °C

Storage period

24 Months

(Contd. on page 4)

8. Exposure Controls/Personal Protection

Ingredients with workplace control parameters Contains no substances with occupational exposure limit values.

Engineering Controls Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

Respiratory protection Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator.

Filter type The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

Hand protection Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Ethyl vinyl alcohol laminate ('EVAL'). Nitrile/butadiene rubber ('nitrile' or 'NBR'). Neoprene. Polyvinyl chloride ('PVC' or 'vinyl'). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Eye protection : Use safety glasses (with side shields).

Skin and body protection : Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

9. Physical And Chemical Properties

Information on basic physical and chemical properties

Appearance: viscous, Liquid.

Color: Colorless to yellow

Odor: Odorless to mild

Odor Threshold: No test data available

Note: These are the Reference Points for these Physical Properties listed above, unless otherwise noted in their respective Physical Property value information: Boiling Point at 760 mmHg; Evaporation Rate Butyl Acetate = 1; Relative Vapor Density Air = 1; and Relative Density Water = 1.

Note: The physical data presented above are typical values and should not be construed as a specification.

Property	Values	Remarks • Method
pH	No test data available	
Melting Point/Freezing Point	No test data available	
Boiling Point/Boiling Range	608 °F / 320 °C	Method: Differential Scanning Calorimetry (DSC) Decomposition
Flash Point	507 - 514 °F / 264 - 268 °C	(102.89 hPa) Method: EC Method A9, closed cup
Evaporation Rate	No test data available	
Flammability (Solid, Gas)	Not applicable to liquids	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	< 0.0000001 Pa	Method: EC Method A4
Relative Vapor Density	No data available	
Relative density	1.16 (68 °F / 20 °C)	Method: Literature
Solubility(ies)- Water solubility	5.4 - 8.4 mg/l (68 °F / 20 °C)	Method: EU Method A.6 (Water Solubility)
Partition coefficient: noctanol/water	log Pow: 3.242	Method: Estimated.
Auto-ignition Temperature	Not applicable	
Decomposition temperature	> 608 °F / > 320 °C	
Viscosity, dynamic	11,000 - 14,000 mPa,s (77 °F / 25 °C)	Method: ASTM D 445
Kinematic Viscosity	No test data available	
Explosive Properties	No	Method: EEC A14
Oxidizing Properties	No	
Molecular weight	Not determined	
Particle size	Not determined	

(Contd. on page 5)

10. Stability And Reactivity

Reactivity No data available.

Chemical Stability Stable under recommended storage conditions. See Storage, Section 7.

Possibility of Hazardous Reactions Will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

Conditions to Avoid Avoid short term exposures to temperatures above 300 °C
Avoid prolonged exposure to temperatures above 250 °C
Potentially violent decomposition can occur above 350 °C
Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.

Incompatible Materials Avoid contact with oxidizing materials. Avoid contact with: Acids. Bases. Avoid unintended contact with amines.

Hazardous Decomposition Products Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

11. Toxicological Information

Acute toxicity

Components

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	LD50 (Rat): > 15,000 mg/kg	LD50 (Rabbit): 23,000 mg/kg	The LC50 has not been determined

Components:

Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-,polymers:
Result : Skin irritation
Remarks : Prolonged contact may cause skin irritation with local redness.
Repeated contact may cause skin irritation with local redness.

Serious eye damage/eye irritation

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers:
Result : Mild eye irritation
Remarks : May cause eye irritation. Corneal injury is unlikely.

Respiratory or skin sensitization

Product:
Assessment : The product is a skin sensitizer, sub-category 1B.
Remarks : For similar material(s): Has caused allergic skin reactions in humans. Has demonstrated the potential for contact allergy in mice.

Components:

Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers:
Assessment : The product is a skin sensitizer, sub-category 1B.
Remarks : Has caused allergic skin reactions in humans. Has demonstrated the potential for contact allergy in mice.
Remarks : For respiratory sensitization: No relevant data found.

Germ cell mutagenicity

Product: Genotoxicity in vitro : Remarks: In vitro genetic toxicity studies were negative in some cases and positive in other cases.

Genotoxicity in vivo : Remarks: Animal genetic toxicity studies were negative.

Components:

Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers:

Genotoxicity in vitro : Remarks: In vitro genetic toxicity studies were negative in some cases and positive in other cases.
Animal genetic toxicity studies were negative.

(Contd. on page 6)

Carcinogenicity

Components:
Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers:

Remarks : Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol A (DGEBPA). Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBPA is not classified as a carcinogen. Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of evidence does not show that DGEBPA is carcinogenic.

Chemical Name	IARC	NTP	OSHA
Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers:

Effects on fertility : Remarks: In animal studies, did not interfere with reproduction.
Effects on fetal development : Remarks: Resins based on the diglycidyl ether of bisphenol A (DGEBPA) did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure, or when pregnant rats or rabbits were exposed orally.

STOT-single exposure

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers:

Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Repeated dose toxicity

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers:

Remarks : Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects.

Aspiration toxicity

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy) phenyl]-, polymers:

Based on physical properties, not likely to be an aspiration hazard.

12. Ecological Information

Ecotoxicity

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers:

Toxicity to fish:

Remarks: Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10mg/L in the most sensitive species tested).
LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l Exposure time: 96 h. Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 1.8 mg/l. Exposure time: 48 h. Test Type: static test

Toxicity to algae/aquatic plants

ErC50 (Scenedesmus capricornutum (fresh water algae)): 11 mg/l
End point: Growth rate inhibition. Exposure time: 72 h. Test Type: static test

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

NOEC (Daphnia magna (Water flea)): 0.3 mg/l. End point: number of offspring. Exposure time: 21 d
Test Type: semi-static test.
MATC (Maximum Acceptable Toxicant Level) (Daphnia magna. (Water flea)): 0.55 mg/l. End point: number of offspring. Exposure time: 21 d. Test Type: semi-static test.

Toxicity to microorganisms

IC50 (Bacteria): > 42.6 mg/l. End point: Respiration rates. Exposure time: 18 h.

(Contd. on page 7)

Persistence and degradability

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers:

Biodegradability
Result: Not biodegradable.
Remarks: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions. Aerobic Biodegradation: 12 %. Exposure time: 28 d. Method: OECD Test Guideline 302B or Equivalent
Remarks: 10-day Window: Not applicable

ThOD
2.35 mg/mg. Method: Estimated.

Photodegradation
Test Type: Half-life (indirect photolysis). Sensitizer: OH radicals. Rate constant: 6.69E-11 cm3/s. Method: Estimated.

Bioaccumulative potential

Components:
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers:

Bioaccumulation
Remarks: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).
Partition coefficient: noctanol/water: log Pow: 3.242 (77 °F / 25 °C) pH: 7.1. Method: Estimated. GLP: yes

Mobility in soil

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers:

Distribution among environmental compartments
Koc: 1800 - 4400. Method: Estimated.
Remarks: Potential for mobility in soil is low (Koc between 500 and 2000).
Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process.

Other adverse effects

Product:
Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Components: Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers:

Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

13. Disposal Considerations

Disposal methods

Waste from residues
AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information.

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

(Contd. on page 8)

14. Transport Information

International Inventories

UNRTDG

UN number	UN 3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)
Class	9
Subsidiary risk	ENVIRONM.
Packing group	III
Labels	9 (ENVIRONM.)

IATA-DGR

UN/ID No	UN 3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)
Class	9
Packing group	III
Labels	Miscellaneous
Packing instruction (cargo aircraft)	964
Packing instruction (passenger aircraft)	964

IMDG-Code

UN number	UN 3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)
Class	9
Packing group	III
Labels	9
EmS Code	F-A, S-F
Marine pollutant	Yes
Remarks	Stowage category A

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

Domestic regulation

49 CFR Not regulated as a dangerous good

Special precautions for user The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

(Contd. on page 9)

15. Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know 3-Chloro-1,2-propylene oxide (epichlorohydrin) 106-89-8

California Prop. 65

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

International Regulations

Montreal Protocol Not applicable

Rotterdam Convention (Prior Informed Consent) Not applicable

Stockholm Convention (Persistent Organic Pollutants) Not applicable

The ingredients of this product are reported in the following inventories:

CH INV All intentional components are listed on the inventory, are exempt, or are supplier certified.

DSL All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

AICS All intentional components are listed on the inventory, are exempt, or are supplier certified.

NZIoC All intentional components are listed on the inventory, are exempt, or are supplier certified.

ENCS All intentional components are listed on the inventory, are exempt, or are supplier certified.

ISHL All intentional components are listed on the inventory, are exempt, or are supplier certified.

KECI All intentional components are listed on the inventory, are exempt, or are supplier certified.

PICCS All intentional components are listed on the inventory, are exempt, or are supplier certified.

IECSC All intentional components are listed on the inventory, are exempt, or are supplier certified.

TCSI All intentional components are listed on the inventory, are exempt, or are supplier certified.

TSCA All substances listed as active on the TSCA Inventory or are not required to be listed.

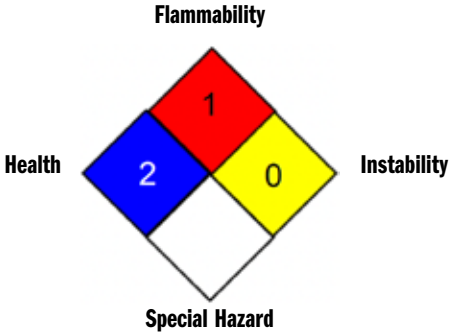
TSCA list

No substances are subject to a Significant New Use Rule.
No substances are subject to TSCA 12(b) export notification requirements

(Contd. on page 10)

16. Other Information

NFPA 704:



Full Text of other Abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

INTERNATIONAL EPOXIES & SEALERS urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/ user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the condi-tions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs ob-tained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

US / Z8

(Contd. on page 11)

1. Identification

Product Identifier
Product Name 1480 Fast Set 300 Adhesive - **Hardener**

Other means of identification
SDS # 1480 Fast Set 300 Adhesive - **Hardener**

Recommended use of the chemical and restrictions on use
Recommended Use General Purpose Adhesive

Details of the supplier of the safety data sheet
Supplier Address

Seymour of Sycamore
917 Crosby Avenue
Sycamore, IL 60178 USA

Seymour of Sycamore
3041 Dougall Avenue, Suite 503
Windsor, ONT N9E 1S3 CANADA

Emergency Telephone Number
Company Phone Number 815-895-9101 | 800-435-4482 (Canada)
Emergency Telephone (24 hr) 1-800-255-3924

2. Hazards Identification

Appearance Clear amber liquid **Physical State** Liquid **Odor** Mercaptan

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Skin sensitization	Category 1

Signal Word
Warning

Hazard Statements
Harmful if swallowed
Harmful in contact with skin
May cause an allergic skin reaction

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response
IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth

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

(Contd. on page 12)

3. Composition/Information On Ingredients

Chemical Name	CAS No	Weight-%
2,4,6-tri(dimethylaminomethyl)phenol	90-72-2	5-10

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-Aid Measures

First Aid Measures

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation Remove to fresh air.

Ingestion Call a poison center or doctor/physician if you feel unwell. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms Causes mild skin irritation. Harmful if swallowed. Harmful in contact with skin. May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media CO2, dry chemical, foam and water fog.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical Product is not flammable.

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 Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Contain with inert material.

Methods for Clean-Up Soak up with inert absorbent material. Place in appropriate containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

(Contd. on page 13)

7. Handling And Storage

Precautions for safe handling

Advice on Safe Handling Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place.

Incompatible Materials Acids, Amines, Strong oxidizing agents.

8. Exposure Controls/Personal Protection

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering Controls Mechanical ventilation or local exhaust ventilation is recommended. Showers. Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Goggles. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Solvent resistant gloves. Wear suitable protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection Wear an appropriate NIOSH/MSHA approved respirator if ventilation is inadequate. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

(Contd. on page 14)

9. Physical And Chemical Properties

Information on basic physical and chemical properties

Physical State : Liquid

Appearance: Clear amber liquid

Color: Amber

Odor: Mercaptan

Odor Threshold: Not determined

Property	Values	Remarks • Method
pH	No data available	
Melting Point/Freezing Point	No data available	
Boiling Point/Boiling Range	No data available	
Flash Point	> 93.33 °C / > 200 °F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	No data available	
Lower Flammability Limit	No data available	
Vapor Pressure	Not determined	
Vapor Density	No data available	
Specific Gravity	1.13	@ 60°F (ASTM D 1298)
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	No data available	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	0%	

10. Stability And Reactivity

Reactivity Not reactive under normal conditions

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid Heat, flames and sparks. Keep out of reach of children.

Incompatible Materials Acids, Amines, Strong oxidizing agents.

Hazardous Decomposition Products HES, AMINES, CO, CO2, H2S, SO2, NO2.

11. Toxicological Information

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Harmful in contact with skin.

Inhalation Do not inhale.

Ingestion Harmful if swallowed.

(Contd. on page 15)

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2,4,6-tri(dimethylaminomethyl)phenol 90-72-2	= 1200 mg/kg (Rat)	= 1280 mg/kg (Rat)	

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

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

Skin corrosion/irritation Causes mild skin irritation.

Sensitization May cause an allergic skin reaction.

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

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

Oral LD50 1,200.00 mg/kg
Dermal LD50 1,280.00 mg/kg

12. Ecological Information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/Degradability Not determined.

Bioaccumulation There is no data for this product.

Mobility Not determined.

Other Adverse Effects Not determined.

13. Disposal Considerations

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

(Contd. on page 16)

15. Regulatory Information

International Inventories

Chemical Name	TSCA	TSCA Inventory Status	DSL/ NDSL	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
2,4,6-tri(dimethylaminomethyl)phenol	X	ACTIVE	X	X	X	X	X	X	X
Bis(Dimethylaminomethyl)Phenol				X	X	X		X	

Legend:

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. Other Information

NFPA	**Health Hazards** Not determined	**Flammability** Not determined	**Instability** Not determined	**Special Hazards** Not determined
HMIS	**Health Hazards** 2	**Flammability** 1	**Physical Hazards** 0	**Personal Protection** Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet