

# Safety Data Sheet per OSHA HazCom 2012

per	Reviewed on 08/24/2005
1	Identification
	Product identifier
	Product name: <u>1,2-Epoxy-5-hexene</u>
	Stock number: B22479 CAS Number:
	10353-53-4 <b>EC number:</b>
	233-771-9 Relevant identified uses of the substance or mixture and uses advised against.
	Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development
	Details of the supplier of the safety data sheet Manufacturer/Supplier:
	Alfa Aesar Thermo Fisher Scientific Chemicals, Inc.
	30 Bond Street Ward Hill, MA 01835-8099
	Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757
	Email: tech@alfa.com www.alfa.com
	Information Department: Health, Safety and Environmental Department Emergency telephone number:
	During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.
	Hazard(s) identification
	Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
	GHS02 Flame
	Flam. Liq. 2. H225 Highly flammable liquid and vapor.
	GHS08 Health hazard
	Muta. 2 H341 Suspected of causing genetic defects. Hazards not otherwise classified No information known.
	Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms
	GHS02 GHS08
	Signal word Danger Hazard statements
	H225 Highly flammable liquid and vapor. H341 Suspected of causing genetic defects.
	Precautionary statements
	P280 Wear protective gloves/protective clothing/eve protection/face protection
	P281 Use personal protective equipment as required. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P405 Store locked up.
	WHMIS classification
	Whin's classification B2 - Flammable liquid D2B - Toxic material causing other toxic effects
	Classification system
	HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
	HEALTH I Health (acute effects) = 1 FIRE I Flammability = 3 REACTIVITY Physical Hazard = 1
	Other hazards
	Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.
	Composition/information on ingredients
	Chemical characterization: Substances
	CAS# Description: 10353-53-4 1,2-Epoxy-5-hexene
	Identification number(s): EC number: 233-771-9
4	First-aid measures
	Description of first aid measures
	After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.
	Se'e'k îmmediate medical advice. (Contd. on page 2)

(Contd. of page 1)

### Product name: 1,2-Epoxy-5-hexene

After skin contact

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing Seek medical treatment

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available.

## 5 Fire-fighting measures

Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide

Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

#### 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Keep away from ignition sources Methods and material for containment and cleaning up: Keep away from ignition sources. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Prevention of secondary hazards: Keep away from ignition sources. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

#### 7 Handling and storage

Handling Precautions for safe handling Handle under dry protective gas. Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture. Keep ignition sources away. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Store in a cool location. Information about storage in one common storage facility: Store away from oxidizing agents. Store away from water/moisture. Further information about storage conditions: Store under drv inert gas. Store under dry inert gas. This product is moisture sensitive. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from humidity and water. **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters Components with limit values that require monitoring at the workplace: Not required. Additional information: No data Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Eye protection: Safety glasses Body protection: Protective work clothing. Personal protective equipment

# Product name: 1,2-Epoxy-5-hexene

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Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Eye Irritation or corrosion: Irritant to skin and mucous membranes. Sectific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Aspiration farget organ system toxicity - single exposure: No effects known. Aspiration farget organ system toxicity - single exposure: No effects known. Aspiration farget organ system toxicity - single exposure: No effects known. Aspiration farget organ system toxicology: Mutagenic effects have been observed on lests with bacteria. Mutagenic effects have been observed on lests with bacteria. Mutagenic effects have been observed on lests with laboratory animals. Subacute to chronic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Bioaccumulative potential No further relevant information available. Cerver Inter elexant information available. Bioaccumulat			(Contd. of page 2)
General Information in the second sec	9 Physical and chemical properties	3	
Appearance:         Louid           Observation:         Not determined           Observation:         Not determined           Charges in contrition:         Not determined           Solian boncholding assess:         Not determined           Application: temporature:         Not determined           Application: temporature:         Not determined           Damage of explosion:         Product is not captasise. However, termation of explosive air/napor mixtures is possible.           Lower in the solian is not captasise.         Not determined           Upper:         Not determined		emical properties	
Odds:         Mod detarmined           Odds:         Mod detarmined           Defaults:         Not detarmined           Defaults:         Not detarmined           Melling controlling:         Not detarmined           Melling controlling:         Not detarmined           Generalization forming may here.         Not detarmined           Auto tagining:         Not detarmined           Generalization forming may here.         Not detarmined           Value forming         Not detarmined           Upper density         Not detarmined           Generality in Maschilliny i	Appearance:		
Odder Interscheid:         Notl determinied.           Hrvarkei:         Notl determinied.           Charge in condition         Hold determinied.           Builting portulation range:         Hold determinied.           Darge of explosion:         Product is not explosive.           Hold determinied.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is a condition of explosive.         Hold determinied.           House part is condition of explosive.         Hold determinied.			
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Remembality (cold, gaseous) Net determined Recomposition terms turns: Net determined Auto garring: Net determined Auto garring: Net determined Lapse: deplosion: Lapse: Net determined Lapse: Net determined Metal d	Melting point/Melting range: Boiling point/Boiling range:	119-121 °C (246-250 °F)	
Explosion limits: Use of the second s	Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	Not determined. Not determined Not determined	
Lover: Mol determined Upper: Mol determined Density at 20 °C (68 °F): 0.8 ° gicm °C 2.5 bis/gal) Density at 20 °C (68 °F): 0.8 ° gicm °C 2.5 bis/gal) Density at 20 °C (68 °F): 0.8 ° gicm °C 2.5	Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.	
Wake pressure:         Not determined (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Lower:		
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Wapper donsity         Not determined.           Weiter         Not determined.           Weiter         Not determined.           Partition coefficient (n-octanol/water): Not determined.         Not determined.           Partition coefficient (n-octanol/water): Not determined.         Not determined.           Observice:         Not determined.           Other information         Not further relevant information available.           Observice:         Not determined.           Not metal to information         Not determined.           Not metal to information information products: Carbon monoxide and carbon dioxide           11         Not cotopicis intratio to skin and muccus membranes.	Density at 20 °C (68 °F):	0.87 g/cm³ (7.26 lbs/gal)	
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Particip coefficient (in-octanol/water): Not determined.         Viscosity::::::::::::::::::::::::::::::::::::		Not determined.	
Viscosity: Net determined weather of the second sec	Water:		
Mnematic:         Not determined. No further relevant information available.           Other information         No further relevant information available.           O Stability and reactivity         Reactivity No information known. Chemical statistity Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Prostatify No information in available.           Oxidizing agents         Mathematics:           Under the information available.         No further relevant information available.           Information on toxicological information         No further relevant information available.           Information on toxicological information         No further relevant for classification: No data Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Inflant to skin and mucous membranes. Skin irritation or corrosion: Infla	Viscosity:		
05 Stability and reactivity         Reactivity No information known.         Chemical sections / conditions to be avoided: Decomposition will not occur if used and stored according to specifications.         Possibility of hazardous reactions No dangerous reactions known         Conditions to avoid No further relevant information available.         Diddicing openits         Watermotishure         Hazardous Redoomposition products: Carbon monoxide and carbon dioxide         11 Toxicological information         Information on toxicological effects         Katardous Redoomposition products: Carbon monoxide and carbon dioxide         12 Toxicological information         Information on toxicological effects         Shin initiation or corrosion: Initiating offect.         Carcinogenicity: No classification and mucous membranes.         Eye initiation or corrosion: Initiating offect.         Sheelit terret organ system toxicity: - upeated exposure: No effects known.         Specific targer organ system toxicity: - upeated exposure: No effects known.         Specific targer organ system toxicity: - upeated exposure: No effects known.         Appendic tive toxicity: No effects with bacteria.         Mategorie organ system toxicity: - upeated exposure: No effects known.         Appendic targer organ system relevant information available.         Presistance and begrevant backered on tests with bacteria.	kinematic:	Not determined.	
Reactivity No information known.         Chemical stability Stabie under recommended storage conditions.         Thermal decomposition / conditions to be avoided. Decomposition will not occur if used and stored according to specifications.         Pessibility of hazardous reactions No dangerous reactions known         Conditions to avoid No further relevant information available.         Didditions decomposition products: Carbon monoxide and carbon dioxide <b>11 Toxicological information</b> Information on toxicological effects         Acute toxicity: No effects known.         LDL/CS0 values that are relevant for classification: No data         Eye initiation or corrosition: Instating effect.         Sensitization: No sensitizing effect.         Sensitization: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGH.         Representation or corrosition products: Single exposure: No effects known.         Separatic traiting effect.         Sensitization: No sensitizing effect.         Sensitization: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGH.         Separatic traiter or observed or tests with bactoria.         Mutagenci: Effect Sensition         Other information (bout experimental toxicology):         Mutagenci: Effect Sensove.         Additional ecological information	Other information	No further relevant information available.	
Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Irritating effect. Sensitization or corrosion: Irritating effect. Sensitization: No sensitization and an ocarcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity: No effects known. Specific target organ system toxicity: No effects known. Specific target organ system toxicity: No effects known. Aspiration hazard: No effects known Other information (about experimental toxicology): Mutagenic effects have been observed on tests with bacteria. Mutagenic effects have been observed on tests with bacteria. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. 22 Ecological information Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Mobility in soil No further relevant information available. 32 Disposal considerations Waste transplicable. 33 Disposal considerations Waste transplicable. 34 Seconmendation: Disposal must be made according to official regulations. 35 Waste transmination Consult state, local or national regulations to ensure proper disposal. 35 Waste transmination Consult state	Thermal decomposition / conditions No Possibility of hazardous reactions No Conditions to avoid No further relevan Incompatible materials: Oxidizing agents Water/moisture	<b>to be avoided:</b> Decomposition will not occur if used and stored according to specifications. o dangerous reactions known t information available.	
Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Do not allow material to be released to the environment without proper governmental permits. Do not allow material to be released to the environment without proper governmental permits. Do not allow material to the environment. Results of PBT and vPvB assessment PBT: Not applicable. VPvB: Not applicable. VPvB: Not applicable. VPvB: Not applicable. Vaste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. USA	Acute toxicity: No effects known. LD/L C50 values that are relevant for o Skin irritation or corrosion: Irritant to : Eye irritation or corrosion: Irritating eff Sensitization: No sensitizing effects kn Germ cell mutagenicity: Suspected of Carcinogenicity: No classification data Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Other information (about experimenta Mutagenic effects have been observed of Mutagenic effects have been observed of Mutagen	skin and mucous membranes. fect. own. causing genetic defects. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. vn. <b>- repeated exposure:</b> No effects known. <b>- single exposure:</b> No effects known. <b>al toxicology):</b> on tests with laboratory animals.	
Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Do not allow material to be released to the environment without proper governmental permits. Do not allow material to be released to the environment without proper governmental permits. Do not allow material to the environment. Results of PBT and VPVB assessment PBT: Not applicable. VPVB: Not applicable. VPVB: Not applicable. VPVB: Not applicable. Vaste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. USA			
IS Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. USA	Toxicity Aquatic toxicity: No further relevant init Persistence and degradability No further Bioaccumulative potential No further I Mobility in soil No further relevant infor Additional ecological information: General notes: Do not allow material to be released to Do not allow undiluted product or large Avoid transfer into the environment. Results of PBT and vPvB assessmen PBT: Not applicable. vPvB: Not applicable.	her relevant information available. relevant information available. rmation available. the environment without proper governmental permits. quantities to reach ground water, water course or sewage system. <b>t</b>	
Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. USA	Uther adverse effects No further releva	ant information available.	
Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. USA	13 Disposal considerations		
Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.		ar national regulations to ansure proper disposal	
USA	Uncleaned packagings:		
	<b>Recommendation:</b> Disposal must be m	nade according to official regulations.	USA -

# Safety Data Sheet per OSHA HazCom 2012

Product name: 1,2-Epoxy-5-hexene

(Contd. of page 3)

4 Transport information	
UN-Number	101/000
DOT, IMDG, IATA	UN1993
UN proper shipping name DOT	Flammable liquids, n.o.s. (1,2-Epoxy-5-hexene)
IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (1,2-Epoxy-5-hexene)
Transport hazard class(es)	
DOT	
Class	3 Flammable liquids.
Label	3
Class Label	3 (F1) Flammable liquids
IMDG, IATA	5
A	
Class	2 Elemmable liquida
Label	3 Flammable liquids. 3
Packing group	
Packing group DOT, IMDG, IATA	11
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Flammable liquids
Transport in bulk according to Annex II of MARPOL73/78 and th	ne IBC Code Not applicable.
Transport/Additional information:	
DOT Marina Ballutant (DOT):	No
Marine Pollutant (DOT): UN "Model Regulation":	No UN1993, Flammable liquids, n.o.s., special provision 640D (1,2-Epoxy-5-hexene
ON MODEL Regulation .	3.
GHS label elements The product is classified and labeled in accord Hazard pictograms GHS02 GHS08 Signal word Danger Hazard statements H225 Highly flammable liquid and vapor. H341 Suspected of causing genetic defects. Precautionary statements	
Hazard pictograms         View         GHS02 GHS08         Signal word Danger         Hazard statements         H225 Highly flammable liquid and vapor.         H341 Suspected of causing genetic defects.         Precautionary statements         P210       Keep away from heat/sparks/open flames/hot sur         P280       Wear protective equipment as required.         P303+P361+P353 If on skin (or hair): Take off immediately all contain         P405       Store locked up.         P501       Dispose of contents/container in accordance with         National regulations       This product is not listed in the U.S. Environmental Protection Agence to research and development only. This product must be used by or product must not be used for commercial purposes or in formulations	lance with 29 CFR 1910 (OSHA HCS) rfaces. No smoking. rotection/face protection. minated clothing. Rinse skin with water/shower. n local/regional/national/international regulations. cy Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restric directly under the supervision of a technically qualified individual as defined by TSCA. This s for commercial purposes.
Hazard pictograms         Image: Construct of the second state of the	Iance with 29 CFR 1910 (OSHA HCS) rfaces. No smoking. rotection/face protection. Iminated clothing. Rinse skin with water/shower. In local/regional/national/international regulations. cy Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restrice directly under the supervision of a technically qualified individual as defined by TSCA. This is for commercial purposes. is not listed. red. Ialified individuals. CH Regulations (EC) No. 1907/2006. Substance is not listed. x XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the commercial purposes.
Hazard pictograms         Volt         GHS02 GHS08         Signal word Danger         Hazard statements         H225 Highly flammable liquid and vapor.         H341 Suspected of causing genetic defects.         Precautionary statements         P210       Keep away from heat/sparks/open flames/hot sur         P280       Wear protective gloves/protective clothing/eye pr         P281       Use personal protective equipment as required.         P303+P361+P353 If on skin (or hair): Take off immediately all contain         P405       Store locked up.         P501       Dispose of contents/container in accordance with         National regulations       This product is not listed in the U.S. Environmental Protection Agend to research and development only. This product must be used by or product must not be used for commercial purposes or in formulations         SARA Section 313 (specific toxic chemical listings) Substance is California Proposition 65         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, male Substance is not listed.         Prop 65 - Developmental toxicity, male Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.	Iance with 29 CFR 1910 (OSHA HCS) rfaces. No smoking. rotection/face protection. Iminated clothing. Rinse skin with water/shower. In local/regional/national/international regulations. cy Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restrice directly under the supervision of a technically qualified individual as defined by TSCA. This is for commercial purposes. is not listed. red. Ialified individuals. CH Regulations (EC) No. 1907/2006. Substance is not listed. x XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the commercial purposes.
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Hazard pictograms         View         GHS02 GHS08         Signal word Danger         Hazard statements         H225 Highly flammable liquid and vapor.         H341 Suspected of causing genetic defects.         Precautionary statements         P210       Keep away from heat/sparks/open flames/hot sur         P281       Use personal protective equipment as required.         P303+P361+P353 If on skin (or hair): Take off immediately all contain         P405       Store locked up.         P501       Dispose of contents/container in accordance with         National regulations         This product is not listed in the U.S. Environmental Protection Agend         to research and development only. This product must be used by or         proptof5 - Chemicals known to cause cancer Substance is not listed.         Prop 65 - Developmental toxicity substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity male Substance is not listed.         Prop 65 - Developmental toxicity female Substance is not listed.         Prop 65 - Developmental toxicity female Substance is not listed.         Prop 65 - Developmental toxicity female Substance is not listed.         Prop 65 - Developmental toxicity sup	tance with 29 CFR 1910 (OSHA HCS) rfaces. No smoking. rotection/face protection. iminated clothing. Rinse skin with water/shower. In local/regional/national/international regulations. cy Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restric directly under the supervision of a technically qualified individual as defined by TSCA. This is for commercial purposes. is not listed. red. CH Regulations (EC) No. 1907/2006. Substance is not listed. x XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the for use) Substance is not listed. in ot been carried out. r information gathered by them, and should make independent judgement of suitability of this is with any other product or process, is the responsibility of the user.

# Product name: 1,2-Epoxy-5-hexene

- LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

(Contd. of page 4)

USA ·