



SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product form : Mixture

Trade name : Foam-Lok LPA 3000 Product code · I PA 2800 - All Grades

Other means of identification LPA 2800 - FoamLok Resin - All Grades

Urethane System Resin Component, B - Component, B - Side, Polyol Resin

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Two-Component, closed-cell, polyurethane foam system specifically designed to provide a high

performance, light weight roofing system for use over insulation water proofing a wide variety of

roof deck construction and configurations.

Use of the substance/mixture : A component for the production of spray insulation foam

Details of the supplier of the safety data sheet

Huntsman Building Solutions 3315 E. Division Street, Arlington, TX 76011

Tel: 817-640-4900 , 888-224-153 sdsinfo@huntsmanbuilds.com

1.4. **Emergency telephone number**

Emergency number : CARECHEM (866) 928-0789

SECTION 2: Hazards identification

Classification of the substance or mixture 2.1.

GHS-US classification

Acute Tox. 4 (Oral) H302 Skin Corr. 1B H314 Eye Dam. 1 H318

2.2. **Label elements**

GHS-US labelling

Hazard pictograms (GHS-US)





GHS05

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

: P260 - Do not breathe mist, spray, vapours, fume, gas, dust Precautionary statements (GHS-US)

P264 - Wash hands, face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear eye protection, protective gloves, protective clothing P301+P312 - If swallowed: Call a POISON CENTER if you feel unwell P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing P310 - Immediately call a doctor, a POISON CENTER

P321 - Specific treatment (see on this label)

P330 - Rinse mouth

P363 - Wash contaminated clothing before reuse

P405 - Store locked up

P501 - Dispose of contents/container to comply with applicable local, national and international

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regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Oxirane, methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-nonylphenol (5:1)	(CAS No) 52019-35-9	<30	Skin Irrit. 2, H315 Eye Dam. 1, H318
2-Propanol, 1-chloro-, phosphate (3:1)	(CAS No) 13674-84-5	<20	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
1-Propanol, 2,2-dimethyl-, tribromo derivative	(CAS No) 36483-57-5	<10	Eye Irrit. 2A, H319
Nonylphenol ethoxylates	(CAS No) 9016-45-9	<10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Triethyl phosphate	(CAS No) 78-40-0	<7.5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl-	(CAS No) 33329-35-0	<7	Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Eye Dam. 1, H318
Diethylene glycol	(CAS No) 111-46-6	<6	Acute Tox. 4 (Oral), H302
Ethylene glycol	(CAS No) 107-21-1	< 4.3	Acute Tox. 4 (Oral), H302
Bis(2-dimethylaminoethyl) ether	(CAS No) 3033-62-3	<5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318

SECTION 4: First aid measures

First-aid measures general

: In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical advice.

First-aid measures after skin contact

Remove contaminated clothing immediately. Wash skin thoroughly with mild soap and water. Seek medical attention immediately.

First-aid measures after eye contact

Rinse immediately with plenty of water for 15 minutes. Contact lenses should be removed. Immediately get medical attention.

First-aid measures after ingestion

: If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor/physician. Give water to drink if victim completely conscious/alert. Never give anything by mouth to an unconscious person. Seek medical attention immediately. If unconscious, place in the recovery position and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries

: Causes severe skin burns and eye damage.

Symptoms/injuries after inhalation

: Inhalation of mist or aerosol may cause irritation to nose, throat and the respiratory tract.

Symptoms/injuries after skin contact

: Causes severe skin burns and eye damage. Corrosive to eyes and skin.

Symptoms/injuries after eye contact

Causes serious eye damage.

Symptoms/injuries after ingestion

: Harmful if swallowed. Gastrointestinal tract discomfort may produce nausea and vomiting. At levels above the recommended exposure limit, the fluorocarbon acts as a weak narcotic. Acute overexposure causes tremors, confusion, irritation, suffocation, and may result in cardiac sensitization.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry extinguishing powder. Carbon dioxide. Foam.
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protective equipment for firefighters

: Use self-contained breathing apparatus and chemically protective clothing.

Other information : Prevent entry to sewers and public waters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

: Stop leak if safe to do so. Spills of this product present a serious slipping hazard. Avoid breathing

mist or vapor . Avoid contact with skin, eyes and clothing.

6.1.1. For non-emergency personnel

Protective equipment

: Wear suitable protective clothing. Refer to section 8.

6.1.2. For emergency responders

Protective equipment Emergency procedures : Equip cleanup crew with proper protection.

: Ensure adequate ventilation.

6.2. Environmental precautions

Prevent entry to sewers and public waters. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Take up liquid spill into inert absorbent material. Sweep or shovel spills into appropriate

container for disposal. Ensure all national/local regulations are observed.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Avoid mixing with air or use for any purpose above atmospheric pressure. Product should not be

mixed with air above atmospheric pressure for leak testing or any other purpose. Use dry nitrogen to transfer or leak test equipment pressurized with product.

Hygiene measures

Wash contaminated clothing prior to re-use. Always wash hands and face immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

: Provide local exhaust or general room ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

Storage conditions

: Keep out of direct sunlight. Store in original container. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat. Do not freeze. Product that is frozen and/or tending to sedimentation can be liquefied or homogenized by careful application of indirect heat (do not use flames or direct contact with a heat source). Protect from moisture.

Incompatible materials : Keep away from strong acids, strong bases and oxidizing agents.

Storage temperature : 21 - 26 °C (70 - 80 °F)

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethylene glycol (107-21-1)		
USA ACGIH	ACGIH Ceiling (mg/m³)	100 mg/m³

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Bis(2-dimethylaminoethyl) ether (3033-62-3)		
USA ACGIH	ACGIH TWA (ppm)	0.05 ppm
USA ACGIH	ACGIH STEL (ppm)	0.15 ppm

8.2. Exposure controls

Appropriate engineering controls

: Provide local exhaust or general room ventilation. Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential

exposure

Personal protective equipment : Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory

protection.









Hand protection

: Wear suitable gloves resistant to chemical penetration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

: Eye protection, including both chemical splash goggles and face shield, must be worn when

possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection

: Wear protective clothing.

Respiratory protection

: Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE). An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Dark orange to brown

Odour : Amine-like

Odour threshold : No data available

pH : >= 7

Relative evaporation rate (butyl acetate=1) : No data available Melting point No data available : No data available Freezing point **Boiling point** : No data available Flash point : > 200 °C (closed cup) Auto-ignition temperature No data available Decomposition temperature No data available Flammability (solid, gas) No data available : No data available Vapour pressure Relative vapour density at 20 °C : No data available Relative density : No data available

Density : 1.15 - 1.17 g/cm³ @ 25°C (Bulk Density)

Solubility : Water: Slightly soluble
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available

Viscosity, dynamic : 800 - 1000 mPa.s @ 23 °C

Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Temperatures above 26 $^{\circ}\text{C}~$ (80 $^{\circ}\text{F})$. Moisture. Direct sunlight. Heat.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids, bases.

10.6. Hazardous decomposition products

Toxic fumes. Carbon oxides (CO, CO2). Nitrogen oxides. unburned hydrocarbons. possibly carbonyl fluoride. hydrogen fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

Foam-Lok LPA 2800	
ATE US (oral)	500.0000000 mg/kg bodyweight

Ethylene glycol (107-21-1)	
LD50 oral rat	4000 mg/kg
ATE US (oral)	500.0000000 mg/kg bodyweight

2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)	
LD50 oral rat	930 (930 - 1550) mg/kg
LD50 dermal rabbit	1230 mg/kg
LC50 inhalation rat (mg/l)	> 17.8 mg/l (Exposure time: 1 h)
ATE US (oral)	930.0000000 mg/kg bodyweight
ATE US (dermal)	1230.00000000 mg/kg bodyweight

Bis(2-dimethylaminoethyl) ether (3033-62-3)	
LD50 oral rat	910 mg/kg
LD50 dermal rabbit	238 mg/kg
LC50 inhalation rat (ppm)	117 ppm (Exposure time: 6 h)
ATE US (oral)	910.0000000 mg/kg bodyweight
ATE US (dermal)	238.00000000 mg/kg bodyweight
ATE US (gases)	4500.00000000 ppmv/4h
ATE US (vapours)	11.00000000 mg/l/4h
ATE US (dust,mist)	1.50000000 mg/l/4h

Nonylphenol ethoxylates (9016-45-9)	
LD50 oral rat	2590 mg/kg
LD50 dermal rabbit	1780 μl/kg
ATE US (oral)	2590.00000000 mg/kg bodyweight

Triethyl phosphate (78-40-0)	
LD50 oral rat	1100 - 1600 mg/kg
ATE US (oral)	1100.00000000 mg/kg bodyweight

1,3-Propanediamine, N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl- (33329-35-0)	
ATE US (dermal)	1100.0000000 mg/kg bodyweight
Diethylone glycel (444 46 6)	

Diethylene glycol (111-46-6)	
LD50 oral rat	12565 mg/kg
LD50 dermal rabbit	11890 mg/kg

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Diethylene glycol (111-46-6)

FOAMLOK™ LPA 3000 SAFETY DATA SHEET

Dictifyione grycor (111 40 0)		
ATE US (oral)		500.0000000 mg/kg bodyweight
ATE US (dermal)		11890.00000000 mg/kg bodyweight
Skin corrosion/irritation		Causes severe skin burns and eye damage.
		pH: >= 7
Serious eye damage/irritation	:	Causes serious eye damage.
		pH: >= 7
Respiratory or skin sensitisation	:	Not classified
		Based on available data, the classification criteria are not met
Germ cell mutagenicity	:	Not classified Based on available data, the classification criteria are not met
Carcinogenicity		Not classified
ou.eegeey		Based on available data, the classification criteria are not met
Reproductive toxicity	:	Not classified
		Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	:	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated	:	Not classified
exposure)		Based on available data, the classification criteria are not met
Aspiration hazard	:	Not classified
		Based on available data, the classification criteria are not met
Symptoms/injuries after inhalation	:	Inhalation of mist or aerosol may cause irritation to nose, throat and the respiratory tract.
Symptoms/injuries after skin contact	:	Causes severe skin burns and eye damage. Corrosive to eyes and skin.
Symptoms/injuries after eye contact	:	Causes serious eye damage.
Symptoms/injuries after ingestion	:	Harmful if swallowed. Gastrointestinal tract discomfort may produce nausea and vomiting. A levels above the recommended exposure limit, the fluorocarbon acts as a weak narcotic. Acute overexposure causes tremors, confusion, irritation, suffocation, and may result in cardiac sensitization.

SECTION 12: Ecological information

12.1. Toxicity

Ethylene glycol (107-21-1)		
LC50 fishes 1	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)	
EC50 Daphnia 1	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
LC50 fish 2	14 - 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])	
2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)		
LC50 fishes 1	56.2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])	
EC50 Daphnia 1	63 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 other aquatic organisms 1	45 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)	
LC50 fish 2	180 mg/l (Exposure time: 96 h - Species: Leuciscus idus [static])	
EC50 other aquatic organisms 2	4 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)	
Diethylene glycol (111-46-6)		
LC50 fishes 1	75200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
EC50 Daphnia 1	84000 mg/l (Exposure time: 48 h - Species: Daphnia magna)	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Ethylene glycol (107-21-1)		
Log Pow	-1.93	
2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)		
BCF fish 1	1.9 - 4.6	
20. 1101.1	1.0	

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Triethyl phosphate (78-40-0)		
Log Pow	0.8 - 1.11	
Diethylene glycol (111-46-6)		
BCF fish 1	100 - 180	
Log Pow	-1.98 (at 25 °C)	

12.4. **Mobility in soil**

No additional information available

Other adverse effects

Effect on ozone layer : No additional information available Effect on the global warming : No additional information available

SECTION 13: Disposal considerations

Waste treatment methods

Waste disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations. Product wastes can often be incinerated in approved facilities. Consult the appropriate authorities about waste

Additional information

: Do not re-use empty containers. Do not dispose of waste into sewer. Do not cut, grind, drill, weld, reuse or dispose off containers unless adequate precautions are taken against these hazards.

Container Disposal: Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers). Decontaminate containers prior to disposal. Recommend crushing, puncturing or other means to prevent unauthorized use of used

containers. Ensure all national/local regulations are observed.

Avoid release to the environment. Do not allow into drains or water courses. Ecology - waste materials

SECTION 14: Transport information

In accordance with DOT

Transport document description : UN1760 Corrosive liquids, n.o.s., 8, II

UN-No.(DOT) 1760 DOT NA no. : UN1760

Proper Shipping Name (DOT) : Corrosive liquids, n.o.s.

Department of Transportation (DOT) Hazard

Classes

Hazard labels (DOT) : 8 - Corrosive



DOT Symbols : G - Identifies PSN requiring a technical name (Polyol Resin Blend)

Packing group (DOT) II - Medium Danger

DOT Special Provisions (49 CFR 172.102) B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.

: 8 - Class 8 - Corrosive material 49 CFR 173.136

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx)

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DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Bulk (49 CFR 173.xxx) : 242 DOT Quantity Limitations Passenger aircraft/rail : 1 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 30 L

CFR 175.75)

DOT Vessel Stowage Location

: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this

section is exceeded.

DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

Additional information

Other information : No supplementary information available.

ADR

: No additional information avialable Transport document description

Transport by sea

UN-No. (IMDG) : 1760

: CORROSIVE LIQUID, N.O.S. Proper Shipping Name (IMDG) Class (IMDG) : 8 - Corrosive substances

Packing group (IMDG) : II - substances presenting medium danger

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Ethylene glycol (107-21-1)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313		
EPA TSCA Regulatory Flag	Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb	
SARA Section 313 - Emission Reporting	1.0 %	

Diethylene glycol (111-46-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

15.2. International regulations

CANADA

Ethylene glycol (107-21-1)			
Listed on the Canadian DSL (Domestic Sustances List)			
WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects		
Nonylphenol ethoxylates (9016-45-9)			
Listed on the Canadian DSL (Domestic Sustances List)			
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects		
Diethylene glycol (111-46-6)			
Listed on the Canadian DSL (Domestic Sustances List)			
WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects		

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Ethylene glycol (107-21-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information avialable

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information avialable

15.2.2. National regulations

Ethylene glycol (107-21-1)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

No additional information avialable

SECTION 16: Other information

Indication of changes : 3. Composition/information on ingredients. 2.1. Classification of the substance or mixture. according to the federal final rule of hazard communication revised on 2012 (HazCom 2012).

Revision date : 11/4/2014 12:00:00 AM

Sources of Key data : Data sources: SDS - Safety Data Sheet.

Abbreviations and acronyms : CAS - Chemical Abstracts Service. CSR - Chemical Safety Report. EC - European Community.

EEC - European Economic Community. MSDS - Material Safety Data Sheet. PBT - Persistent, Bioaccumulative and Toxic substance. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average. vPvB - Very Persistent and

Very Bioaccumulative.

Full text of H-phrases: see section 16:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
H302	Harmful if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled

SDS US (GHS HazCom 2012)

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