

## Safety Data Sheet

According to U.S.A. Federal Hazcom 2012

### 1. Identification

#### 1.1. Product identifier

Code: **EPOXCARTKIT2TO1**  
Product name: **STONE PLUS PENETRATING PART A 2 TO 1**

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: **LIQUIDI EPOXY RESIN**

Identified Uses	Industrial	Professional	Consumer
<b>ADHESIVE SYSTEM/TREATMENT FOR STONE SECTOR</b>	✓	✓	-

#### 1.3. Details of the supplier of the safety data sheet

Name: **ARAMSCO, INC**  
Full address: **1480 Grandview Ave.**  
District and Country: **Paulsboro, NJ 08066 USA**

Tel. **800-767-6933**

e-mail address of the competent person responsible for the Safety Data Sheet: **customerservice@aramSCO.com**

Supplier: **AramSCO, Inc**  
**1480 Grandview Ave.**  
**Paulsboro, NJ 08066**

#### 1.4. Emergency telephone number

For urgent inquiries refer to: **800-767-6933**  
**Infotrac**  
**US and Canada: 1-800-535-5053**  
**Int'l: 1-352-323-3500**  
**info@infotrac.net**

### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200). The product thus requires a safety datasheet.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Classification and Hazard Statement  
Germ cell mutagenicity, category 2  
Acute toxicity, category 4  
Acute toxicity, category 4  
Serious eye damage, category 1  
Skin irritation, category 2  
Skin sensitization, category 1

Suspected of causing genetic defects.  
Harmful in contact with skin.  
Harmful if inhaled.  
Causes serious eye damage.  
Causes skin irritation.  
May cause an allergic skin reaction.

Hazard pictograms:



Signal words:

Danger

Hazard statements:

2. Hazards identification ... / >>

- H341** Suspected of causing genetic defects.
- H312+H332** Harmful in contact with skin or if inhaled.
- H318** Causes serious eye damage.
- H315** Causes skin irritation.
- H317** May cause an allergic skin reaction.

Precautionary statements:

Prevention:

- P261** Avoid breathing dust / fume / gas / mist / vapours / spray.
- P202** Do not handle until all safety precautions have been read and understood.
- P201** Obtain special instructions before use.
- P280** Wear protective gloves/ protective clothing / eye protection / face protection.
- P271** Use only outdoors or in a well-ventilated area.
- P264** Wash the hands thoroughly after handling.
- P272** Contaminated work clothing should not be allowed out of the workplace.

Response:

- 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 POISON CENTER / doctor if you feel unwell.
- P304+P340** IF INHALED: remove person to fresh air and keep comfortable for breathing.
- P302+P352** IF ON SKIN: wash with plenty of water / . . .
- P362+P364** Take off contaminated clothing and wash it before reuse.
- P363** Wash contaminated clothing before reuse.

Storage:

- P405** Store locked up.

Disposal:

- P501** Dispose of contents / container according to applicable law.

The mixture contains 88.50% of components of unknown acute inhalation toxicity.

2.2. Other hazards

Environmental classification as for Reg. (EC) 1272/2008 (CLP):

The product is classified as hazardous for environment pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

Classification and Hazard Statement

Hazardous to the aquatic environment, chronic toxicity, category 2                      Toxic to aquatic life with long lasting effects.

Hazard pictograms:



Hazard statements:

- H411** Toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

- P273** Avoid release to the environment.

Response:

- P391** Collect spillage.

Storage:

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Disposal:

- P501** Dispose of contents / container according to applicable law.

Information not available

3. Composition/information on ingredients

### 3. Composition/information on ingredients ... / >>

#### 3.2. Mixtures

Contains:

Identification

x = Conc. %

Classification:

**BIS-[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE**

CAS 1675-54-3 75 ≤ x < 77

**Eye irritation, category 2 H319, Skin irritation, category 2 H315, Skin sensitization, category 1B H317, Hazardous to the aquatic environment, chronic toxicity, category 2 H411**

**1,4-BIS(2,3 EPOXYPROPOXY)BUTANE**

CAS 2425-79-8 12.5 ≤ x < 13.5

**Acute toxicity, category 4 H312, Acute toxicity, category 4 H332, Eye irritation, category 2 H319, Skin irritation, category 2 H315, Skin sensitization, category 1 H317**

**OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.**

CAS 68609-97-2 8.5 ≤ x < 9.5

**Skin irritation, category 2 H315, Skin sensitization, category 1 H317**

**2,3-EPOXYPROPYL O-TOLYL ETHER**

CAS 2210-79-9 1.5 ≤ x < 2

**Germ cell mutagenicity, category 2 H341, Skin irritation, category 2 H315, Skin sensitization, category 1 H317, Hazardous to the aquatic environment, chronic toxicity, category 2 H411**

\* There is a batch to batch variation.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

### 4. First-aid measures

#### 4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

**EYES:** Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

**SKIN:** Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.

**INGESTION:** Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

**INHALATION:** Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

#### Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

**DELAYED EFFECTS:** Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

**5. Fire-fighting measures** ... / >>

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

None in particular.

**5.2. Special hazards arising from the substance or mixture****HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

Do not breathe combustion products.

Combustion products: mainly COx

**5.3. Advice for firefighters****GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

**6.2. Environmental precautions**

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

**6.3. Methods and material for containment and cleaning up**

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

**6.4. Reference to other sections**

Any information on personal protection and disposal is given in sections 8 and 13.

**7. Handling and storage****7.1. Precautions for safe handling**

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

**7.2. Conditions for safe storage, including any incompatibilities**

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

**7.3. Specific end use(s)**

Information not available

**8. Exposure controls/personal protection**

8.1. Control parameters

Regulatory references:

USA	NIOSH-REL	NIOSH publication No. 2005-149, 3th printing, 2007.
USA	OSHA-PEL	Occupational Exposure Limits - Limits for Air Contaminants TABLE Z-1-1910.1000.
USA	CAL/OSHA-PEL	California Division of Occupational Safety and Health (Cal-OSHA) Permissible Exposure Limits (PELs).
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2023

TOLUENE						
Threshold Limit Value						
Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	192	50	384	100	SKIN
TLV-ACGIH	-	-	20	-	-	-
OSHA	USA	-	200	-	300	-
CAL/OSHA	USA	37	10	560	150	SKIN
NIOSH	USA	375	100	560	150	-

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must comply with current regulations.

**HAND PROTECTION**

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (OSHA 29 CFR 1910.138): compatibility, degradation, permeability time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**

Wear airtight protective goggles (OSHA 29 CFR 1910.133).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a NIOSH certified filter, whose class must be chosen according to the limit of use concentration (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus or external air-intake breathing apparatus. For a correct choice of respiratory protection device, see standard NIOSH 42 CFR 84, OSHA 29 CFR 1910.134.

**ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

**HAND PROTECTION:** Protect hands with work gloves for protection against chemical agents in nitrile or fluoroelastomer (EN 374-1:2016) at least type B or higher based on the risk assessment carried out by the company. Breakthrough time > 480 minutes.

Material thickness:

**NITRILE**

short contact > 0.38 mm

prolonged contact > 0.55 mm

**FLUROELASTOMER**

short contact > 0.50 mm

prolonged contact > 1.50 mm

FACE PROTECTION: Chemical and splash protection visor EN 166 1B 3 in transparent propionate or equivalent protection

**9. Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	transparent	
Odour	typical	
Odour threshold	not available	
pH	not available	Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture)
Melting point / freezing point	not available	
Initial boiling point	not available	
Boiling range	not available	
Flash point	> 93 °C (199,4 °F)	
Evaporation rate	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Vapour pressure	not available	
Vapour density	not available	
Relative density	1.1 g/cm <sup>3</sup>	
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	not available	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
Viscosity	not available	
Explosive properties	not available	
Oxidising properties	not available	

9.2. Other information

Information not available

**10. Stability and reactivity**

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

BIS-[4-(2,3-EPOXI)PHENYL]PROPANE  
Avoid contact with: acids,bases,oxidising substances.  
Avoid unintended contact with amines.

10.6. Hazardous decomposition products

BIS-[4-(2,3-EPOXI)PHENYL]PROPANE  
The decomposition products depend on the temperature, the available air and the presence of other substances.  
An uncontrolled exothermic reaction of epoxy resins liberates phenolic derivatives, carbon monoxide and water.

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

#### Information on likely routes of exposure

Information not available

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

Information not available

#### Interactive effects

Information not available

#### ACUTE TOXICITY

##### 2,3-EPOXYPROPYL O-TOLYL ETHER

LD50 (Oral): 2800 mg/kg Ratto  
 LD50 (Dermal): > 2000 mg/kg Ratto

##### OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.

LD50 (Oral): 26800 mg/kg ratto  
 LD50 (Dermal): > 200 mg/kg ratto

##### 1,4-BIS(2,3 EPOXYPROPOXY)BUTANE

LD50 (Oral): 1163 mg/kg Ratto  
 LD50 (Dermal): > 2150 mg/kg Ratto  
 LC50 (Inhalation vapours): 11 mg/l/4h

##### BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE

LD50 (Oral): 15000 mg/kg Ratto  
 LD50 (Dermal): > 2000 mg/kg Coniglio

#### SKIN CORROSION / IRRITATION

Causes skin irritation

#### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

#### RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

#### GERM CELL MUTAGENICITY

Suspected of causing genetic defects

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Carcinogenicity Assessment:

1675-54-3 BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE

IARC:3

108-88-3 TOLUENE

ACGIH:: A4

IARC:3

#### REPRODUCTIVE TOXICITY

**11. Toxicological information** ... / >>

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

**12. Ecological information**

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it has negative effects on the aquatic environment.

12.1. Toxicity

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.

LC50 - for Fish > 500 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea 6.07 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 843.75 mg/l/72h Pseudokirchnerella subcapitata

1,4-BIS(2,3 EPOXYPROPOXY)BUTANE

LC50 - for Fish 19.8 mg/l/96h Danio rerio

EC50 - for Crustacea 75 mg/l/48h Daphnia magna 24h

EC50 - for Algae / Aquatic Plants > 160 mg/l/72h Pseudokirchneriella subcapitata

BIS-[4-(2,3-EPOXI)PHENYL]PROPANE

LC50 - for Fish 2 mg/l/96h Oncorhynchus mykiss

EC50 - for Crustacea 1.8 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants > 11 mg/l/72h Scenedesmus capricornutum

Chronic NOEC for Fish 0.3 mg/l Daphnia Magna

Chronic NOEC for Algae / Aquatic Plants 4.2 mg/l

12.2. Persistence and degradability

BIS-[4-(2,3-EPOXI)PHENYL]PROPANE  
Significant hydrolysis: elimination 82% in 28 days.

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.  
Rapidly degradable

1,4-BIS(2,3 EPOXYPROPOXY)BUTANE  
NOT rapidly degradable

BIS-[4-(2,3-EPOXI)PHENYL]PROPANE  
NOT rapidly degradable

12.3. Bioaccumulative potential



12. Ecological information ... / >>

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.

Partition coefficient: n-octanol/water 3.77

1,4-BIS(2,3 EPOXYPROPOXY)BUTANE

Partition coefficient: n-octanol/water -0.15

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE

Partition coefficient: n-octanol/water 3.242 Log Kow

12.4. Mobility in soil

1,4-BIS(2,3 EPOXYPROPOXY)BUTANE

Partition coefficient: soil/water 1

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

12.6. Other adverse effects

Information not available

13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA: UN 3082

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity  $\leq$  5Kg or 5L, is not submitted to ADR provisions.

IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity  $\leq$  5Kg or 5L, is not submitted to IMDG Code provisions.

IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity  $\leq$  5Kg or 5L, is not submitted to IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE; 2,3-EPOXYPROPYL O-TOLYL ETHER)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE; 2,3-EPOXYPROPYL O-TOLYL ETHER)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE; 2,3-EPOXYPROPYL O-TOLYL ETHER)

14. Transport information ... / >>

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9



IMDG: Class: 9 Label: 9



IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: Environmentally Hazardous



IMDG: Marine Pollutant



IATA: Environmentally Hazardous



14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 90	Limited Quantities: 5 lt	Tunnel restriction code: (-)
	Special provision: 274, 335, 375, 601		
IMDG:	EMS: F-A, S-F	Limited Quantities: 5 lt	
IATA:	Cargo:	Maximum quantity: 450 L	Packaging instructions: 964
	Passengers:	Maximum quantity: 450 L	Packaging instructions: 964
	Special provision:	A97, A158, A197, A215	

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal Regulations

TSCA:

All components of this product are listed on US Toxic Substances Control Act (TSCA) Inventory or are exempt from the listing / notification requirements.

Clean Air Act Section 112(b):

No component(s) listed.

Clean Air Act Section 602 Class I Substances:

No component(s) listed.

Clean Air Act Section 602 Class II Substances:

No component(s) listed.

Clean Water Act – Priority Pollutants:

15. Regulatory information ... / >>

No component(s) listed.

Clean Water Act – Toxic Pollutants:  
No component(s) listed.

DEA List I Chemicals (Precursor Chemicals):  
No component(s) listed.

DEA List II Chemicals (Essential Chemicals):  
No component(s) listed.

EPA List of Lists:  
313 Category Code:  
No component(s) listed.

EPCRA 302 EHS TPQ:  
No component(s) listed.

EPCRA 304 EHS RQ:  
No component(s) listed.

CERCLA RQ:  
No component(s) listed.

EPCRA 313 TRI:  
No component(s) listed.

RCRA Code:  
No component(s) listed.

CAA 112 (r) RMP TQ:  
No component(s) listed.

State Regulations

Massachusetts:  
No component(s) listed.

Minnesota:  
No component(s) listed.

New Jersey:  
No component(s) listed.

New York:  
No component(s) listed.

Pennsylvania:  
No component(s) listed.

California:  
No component(s) listed.

Proposition 65:  
**WARNING! This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm.**

108-88-3 TOLUENE						
Hazard type	NSRL / MADL (µg/day)			Inhalation	Intravenous	Note
	Oral	Dermal				
Development toxicity	7000					-

International Regulations  
Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:  
None

Substances subject to the Rotterdam Convention:  
None

Substances subject to the Stockholm Convention:

None

### 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>H341</b>	Suspected of causing genetic defects.
<b>H312</b>	Harmful in contact with skin.
<b>H312+H332</b>	Harmful in contact with skin or if inhaled.
<b>H332</b>	Harmful if inhaled.
<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H411</b>	Toxic to aquatic life with long lasting effects.

#### LEGEND:

- 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAA 112 @ RMP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112@)
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act)
- CLP: Regulation (EC) 1272/2008
- DEA: Drug Enforcement Administration
- EmS: Emergency Schedule
- EPA: US Environmental Protection Agency
- EPCRA: Emergency Planning and Community Right-to Know Act
- EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code)
- EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code)
- EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code)
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- RCRA Code: Resource Conservation and Recovery Act Code
- REACH: Regulation (EC) 1907/2006
- REL: Recommended exposure limit
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TSCA: Toxic Substances Control Act
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

#### GENERAL BIBLIOGRAPHY:

- GHS rev. 3
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh - Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy
  
- 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- EPA website
- Hazard Communication Standard (HCS 2012)
- IARC website

**16. Other information ... / >>**

- List Of Lists EPA: Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112® of the Clean Air Act
- Massachusetts 105 CMR Department of public health 670.000: "Right to Know"
- Minnesota Chapter 5206 Department Of Labor and Industry Hazardous Substances, Employee "Right to Know".
- New Jersey Worker and Community Right to know Act N.J.S.A.
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Pennsylvania, Hazardous Substance List, Chapter 323

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**CALCULATION METHODS FOR CLASSIFICATION**

Product classification derives from criteria established by the OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200), unless determined otherwise in Section 11 and 12. The data for evaluation of chemical-physical properties are reported in section 9.