

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****Safety Data Sheet**

According to Annex II to REACH - Regulation 2015/830

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Code: DRAP172  
Product name: EPOX INIEZIONE RM3 COMP. B

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

Intended use: Part of a two-component system

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

Name: DRACO ITALIANA S.p.A.  
Full address: Via Monte Grappa, 11 D-E  
District and Country: 20067 Tribiano (MI)  
Italy  
Tel.: +39 02.90632917  
Fax: +39 02.90631976  
e-mail address of the competent person responsible for the Safety Data Sheet: info@draco-edilizia.it

**1.4. Emergency telephone number**

For urgent inquiries refer to:  
Centro Antiveleni di Bergamo 800883300 (Azienda Ospedaliera Papa Giovanni XXII)  
Centro Antiveleni di Firenze 0557947819 (Az. Osp. "Careggi" U.O. Tossicologia Medica)  
Centro Antiveleni di Foggia 80018345 (Az. Osp. Univ. Foggia)  
Centro Antiveleni di Milano 0266101029 (Osp. Niguarda Ca' Granda)  
Centro Antiveleni di Napoli 0817472870 (Az. Osp. "A. Cardarelli")  
Centro Antiveleni di Pavia 038224444 (CAV Centro Nazionale di Informazione Tossicologica)  
Centro Antiveleni di Roma 063054343 (CAV Policlinico "A. Gemelli")  
Centro Antiveleni di Roma 0649978000 (CAV Policlinico "Umberto I")  
Centro Antiveleni di Roma 06 68593726 (CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA)

**SECTION 2. Hazards identification****2.1. Classification of the substance or mixture**

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

**Hazard classification and indication:**

Skin corrosion, category 1C	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 2. Hazards identification ... / >>**

Signal words: Danger

Hazard statements:

**H314** Causes severe skin burns and eye damage.  
**H412** Harmful to aquatic life with long lasting effects.

Precautionary statements:

**P260** Do not breathe dust / fume / gas / mist / vapours / spray.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
**P280** Wear protective gloves/ protective clothing / eye protection / face protection.  
**P310** Immediately call a POISON CENTER / doctor / . . .  
**P264** Wash . . . thoroughly after handling.

**Contains:** Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

**2.3. Other hazards**

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

**SECTION 3. Composition/information on ingredients****3.2. Mixtures**

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
<b>Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia</b>		
CAS	9046-10-0 $50 \leq x < 100$	<b>Skin Corr. 1C H314, Eye Dam. 1 H318, Aquatic Chronic 3 H412</b>
EC	618-561-0	
INDEX		
Reg. no.	01-2119557899-12-XXXX	
<b>2,4,6-Tri-(dimetilaminometil) fenolo</b>		
CAS	90-72-2 $10 \leq x < 25$	<b>Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315</b>
EC	202-013-9	
INDEX	603-069-00-0	
Reg. no.	01-2119560597-27-XXXX	

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

**SECTION 4. First aid measures****4.1. Description of first aid measures**

**EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

**INGESTION:** Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

**INHALATION:** Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

**INALAZIONE**

Portare il soggetto interessato all'aria aperta e tenerlo al caldo e a riposo in posizione che favorisca la respirazione. Sciacquare naso e bocca con acqua. In caso di difficoltà di respirazione, personale adeguatamente addestrato può assistere il soggetto interessato tramite la somministrazione di ossigeno. In caso di arresto respiratorio, praticare la respirazione artificiale. Consultare un medico.

**INGESTONI**

Sciacquare accuratamente la bocca con acqua. Non somministrare mai nulla per via orale a una persona priva di sensi. Non provocare il vomito. In caso di vomito, tenere la testa in basso per impedire che il vomito entri nei polmoni. Consultare immediatamente un medico.

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 4. First aid measures ... / >>**

**CONTATTO CON LA PELLE**Togliersi di dosso immediatamente gli indumenti contaminati e lavare la pelle con acqua e sapone. Consultare immediatamente un medico.

**CONTATTO CON GLI OCCHI**

Togliere le eventuali lenti a contatto e tenere le palpebre ben separate. Sciacquare immediatamente e abbondantemente con acqua. Continuare a sciacquare per almeno 15 minuti. Consultare immediatamente un medico. Continuare a sciacquare.

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

**Inalazione:** Possono verificarsi ustioni. Può provocare danni alle membrane mucose di naso, gola, polmoni e sistema bronchiale.

**Ingestione:** Nocivo se ingerito. Provoca gravi ustioni. Può provocare ustioni chimiche in bocca, nell'esofago e nello stomaco.

**Contatto con la pelle:** Provoca gravi ustioni. Può provocare una reazione allergica cutanea.

**Contatto con gli occhi:** Provoca gravi lesioni oculari. Può provocare ustioni chimiche degli occhi. Può provocare lesioni permanenti se non si pratica immediatamente il lavaggio oculare.

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

Information not available

**SECTION 5. Firefighting measures****5.1. Extinguishing media****SUITABLE EXTINGUISHING EQUIPMENT**

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.

**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).

**SECTION 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.

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 7. Handling and storage****7.1. Precautions for safe handling**

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

**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. Keep containers away from any incompatible materials, see section 10 for details.

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

Information not available

**SECTION 8. Exposure controls/personal protection****8.1. Control parameters****Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia****Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,015	mg/l
Normal value in marine water	0,014	mg/l
Normal value for fresh water sediment	0,132	mg/kg/d
Normal value for marine water sediment	0,125	mg/kg/d
Normal value for water, intermittent release	0,15	mg/l
Normal value of STP microorganisms	7,5	mg/l
Normal value for the food chain (secondary poisoning)	6,93	mg/kg
Normal value for the terrestrial compartment	0,018	mg/kg/d

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation						1,36 mg/m3		
Skin								2,5 mg/kg bw/d

**2,4,6-Tri(dimetilaminometil) fenolo****Predicted no-effect concentration - PNEC**

Normal value in fresh water	0,084	mg/l
Normal value in marine water	0,0084	mg/l

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

**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.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

**HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

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 II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 8. Exposure controls/personal protection ... / >>**

Wear airtight protective goggles (see standard EN 166).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). 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 (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**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.

**Protezione delle mani**

Scegliere i guanti più adatti rivolgendosi al fornitore/produttore dei guanti, che può fornire informazioni sul tempo di fessurazione del materiale con cui sono realizzati i guanti. Indossare guanti impermeabili, resistenti agli agenti chimici e conformi a uno standard approvato se una valutazione dei rischi indica la possibilità di contatto con la pelle. Il tempo di fessurazione dei guanti scelti deve essere pari ad almeno 8 ore. Cloruro di polivinile (PVC). Gomma butilica. Gomma nitrilica. Neoprene. Per proteggere le mani dalle sostanze chimiche, i guanti devono essere conformi allo standard europeo EN374.

**SECTION 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Properties	Value	Information
Appearance	liquid	
Colour	straw yellow	
Odour	ammoniacale	
Odour threshold	Not available	
pH	Not available	
Melting point / freezing point	Not available	
Initial boiling point	Not determined	
Boiling range	Not available	
Flash point	> 60 °C	
Evaporation rate	Not available	
Flammability (solid, gas)	Not available	
Lower inflammability limit	Not available	
Upper inflammability limit	Not available	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Vapour pressure	Not available	
Vapour density	Not available	
Relative density	0,95	
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

**SECTION 10. Stability and reactivity****10.1. Reactivity**

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

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 10. Stability and reactivity ... / >>****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.

Scegliere i guanti più adatti rivolgendosi al fornitore/produttore dei guanti, che può fornire informazioni sul tempo di fessurazione del materiale con cui sono realizzati i guanti. Indossare guanti impermeabili, resistenti agli agenti chimici e conformi a uno standard approvato se una valutazione dei rischi indica la possibilità di contatto con la pelle. Il tempo di fessurazione dei guanti scelti deve essere pari ad almeno 8 ore. Cloruro di polivinile (PVC). Gomma butilica. Gomma nitrilica. Neoprene. Per proteggere le mani dalle sostanze chimiche, i guanti devono essere conformi allo standard europeo EN374.

**10.4. Conditions to avoid**

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

Evitare il calore eccessivo per periodi prolungati.

**10.5. Incompatible materials**

Evitare il contatto con i seguenti materiali: Sodium Hypochlorite Acidi - organici. Acidi minerali. Metalli chimicamente attivi. Perossidi. Nitriti organici. Nitriti inorganici. Nitrous acid (HNO<sub>2</sub>), Nitrosating agents Agenti ossidanti forti.

**10.6. Hazardous decomposition products**

La decomposizione termica o i prodotti di combustione possono includere le seguenti sostanze: Diossido di carbonio (CO<sub>2</sub>). Monossido di carbonio (CO). Acido nitrico (HNO<sub>3</sub>). Gas nitrosi (NO<sub>x</sub>). Ammoniaca o ammine. Aldeidi. Idrocarburi. Under certain conditions the substance can form nitrosamines. Nitrosamines are carcinogenic in animal studies.

**SECTION 11. Toxicological information**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

**11.1. Information on toxicological effects**Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

It can cause damage to the mucous membranes of the nose, throat, lungs and bronchial system. Burns can occur. Overexposure can cause central nervous system depression, causing dizziness and intoxication.

Harmful if swallowed. It can cause chemical burns in the mouth, esophagus and stomach.

Causes severe burns. May cause an allergic skin reaction.

Causes serious eye damage. May cause chemical eye burns.

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

ATE (Inhalation) of the mixture:

Not classified (no significant component)

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 11. Toxicological information ... / >>**

ATE (Oral) of the mixture: >2000 mg/kg  
ATE (Dermal) of the mixture: Not classified (no significant component)

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
LD50 (Oral) 2885,3 mg/kg Rat. OECD 401  
LD50 (Dermal) 2979,7 mg/kg Rabbit, OECD 402  
LC50 (Inhalation) > 0,74 mg/l/8h Rat. OECD 403

2,4,6-Tri-(dimetilaminometil) fenolo  
LD50 (Oral) 2169 mg/kg

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
Repeated dose toxicity Product:  
Species: Rat, male and female  
NOAEL:> 250 mg / kg  
Application method: Dermal  
Exposure time: 90 Days Exposure number: 5 d Next observation period: 28 days  
Method: Subchronic toxicity

Species: Rat, male and female  
NOAEL:> 239 mg / kg  
Application method: oral (food)  
Exposure time: 31 Days Method: Subacute toxicity

Species: Rat, male and female  
NOAEL: 100 mg / kg  
Application method: Dermal  
Exposure time: 28 Days Exposure number: 5 d Method: Subacute toxicity

**SKIN CORROSION / IRRITATION**

Corrosive for the skin

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
Species: Rabbit  
Method: Guideline 404 for the OECD Test  
Result: Corrosive after 1 to 4 hours of exposure

2,4,6-Tri-(dimetilaminometil) fenolo  
Corrosive to the skin.

**SERIOUS EYE DAMAGE / IRRITATION**

Causes serious eye damage

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
Species: Rabbit Evaluation: Corrosive Method: Guideline 405 for the OECD Test Result: Irreversible effects on the eyes

2,4,6-Tri-(dimetilaminometil) fenolo  
Causes serious eye damage.

**RESPIRATORY OR SKIN SENSITISATION**

Does not meet the classification criteria for this hazard class

2,4,6-Tri-(dimetilaminometil) fenolo  
Skin sensitizer.

Skin sensitization  
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
Route of exposure: Skin Species: Guinea pig Result: Does not cause skin sensitization.

**GERM CELL MUTAGENICITY**

Does not meet the classification criteria for this hazard class

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 11. Toxicological information ... / >>**

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

Genotoxicity in vitro

Concentration: 0 - 10000 ug / plate Metabolic activation: with or without metabolic activation Method: Guideline 471 for the OECD

Test Result: negative

Metabolic activation: with or without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Genotoxicity in vivo

Application method: Oral Doses: 500 mg / kg Method: OECD Test Guideline 474 Result: negative

**CARCINOGENICITY**

Does not meet the classification criteria for this hazard class

**REPRODUCTIVE TOXICITY**

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

Species: Rat, male and female Application method: Dermal Method: Guideline 421 for the OECD Test Result: Animal tests did not result in fertility effects.

**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

**SECTION 12. Ecological information**

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

**12.1. Toxicity**

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

Toxicity to fish

EC50 (Oncorhynchus mykiss (rainbow trout)): > 15 mg / l Exposure time: 96 h Type of test: Semi-static test Substance to be tested: Fresh water Method: Guideline 203 for the OECD Test LC50: 772.14 mg / l Exposure time: 96 h Type of test: Static test Test substance: Seawater Method: OECD Test Guideline 203

Toxicity for aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 80 mg / l Exposure time: 48 h Type of test: Static test Substance to be tested: Fresh water Method: OECD TG 202 EC50 (Acartia tonsa): 418.34 mg / l Exposure time: 48 h Type of test: Static test Substance to be tested: Sea water

Toxicity for algae / aquatic plants

CE50r (Selenastrum capricornutum (green alga)): 15 mg / l Exposure time: 72 h Type of test: Static test Substance to be tested: Fresh water Method: OECD TG 201

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

LC50 - for Fish > 15 mg/l/96h Oncorhynchus mykiss. OECD 203, semisatic test

EC50 - for Crustacea 80 mg/l/48h Daphnia magna. OECD 202

EC50 - for Algae / Aquatic Plants 15 mg/l/72h Selenastrum capricornutum, OECD 201

2,4,6-Tri-(dimetilaminometil) fenolo

LC50 - for Fish 964 mg/l/96h

**12.2. Persistence and degradability**



**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 12. Ecological information ... / >>**

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
biodegradation

Inoculum: Mixture Result: Not biodegradable. Biodegradation: 0% Exposure time: 28 d Method: OECD TG 301 B

Stability in water

Half-life for degradation (TD50): 12 Months (25 ° C) pH: 6.5 Method: No information available. Observations: Fresh water

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

Solubility in water 100 g/l

**12.3. Bioaccumulative potential**

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

Partition coefficient: n-octanol/water 1,34 Log Kow 25°C

2,4,6-Tri-(dimetilaminometil) fenolo

Partition coefficient: n-octanol/water -0,66 Log Kow 21,5°C

**12.4. Mobility in soil**

Information not available

**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

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

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

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

**SECTION 14. Transport information****14.1. UN number**

ADR / RID, IMDG, IATA: 3267

**14.2. UN proper shipping name**

ADR / RID: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia; 2,4,6-Tri-(dimetilaminometil) fenolo)

IMDG: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia; 2,4,6-Tri-(dimetilaminometil) fenolo)

IATA: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia; 2,4,6-Tri-(dimetilaminometil) fenolo)

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 14. Transport information ... / >>****14.3. Transport hazard class(es)**

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8

**14.4. Packing group**

ADR / RID, IMDG, IATA: III

**14.5. Environmental hazards**

ADR / RID: NO

IMDG: NO

IATA: NO

**14.6. Special precautions for user**

ADR / RID:	HIN - Kemler: 80	Limited Quantities: 5 L	Tunnel restriction code: (E)
	Special provision: -		
IMDG:	EMS: F-A, S-B	Limited Quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 60 L	Packaging instructions: 856
	Pass.:	Maximum quantity: 5 L	Packaging instructions: 852
	Special provision:	A3, A803	

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

Information not relevant

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Seveso Category - Directive 2012/18/EC: NoneRestrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product

Point 3

Contained substance
 Point 75 2,4,6-Tri-(dimetilaminometil) fenolo  
 Reg. no.: 01-2119560597-27-XXXX
Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 15. Regulatory information ... / >>**

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment**

A chemical safety assessment has been performed for the following contained substances  
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia

**SECTION 16. Other information**

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

<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Skin Corr. 1C</b>	Skin corrosion, category 1C
<b>Eye Dam. 1</b>	Serious eye damage, category 1
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<b>H302</b>	Harmful if swallowed.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H412</b>	Harmful to aquatic life with long lasting effects.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- 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
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- 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.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament

**DRAP172 - EPOX INIEZIONE RM3 COMP. B****SECTION 16. Other information ... / >>**

8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament  
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament  
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament  
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament  
12. Regulation (EU) 2016/1179 (IX Atp. CLP)  
13. Regulation (EU) 2017/776 (X Atp. CLP)  
14. Regulation (EU) 2018/669 (XI Atp. CLP)  
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)  
16. Regulation (EU) 2019/521 (XII Atp. CLP)  
17. Regulation (EU) 2019/1148  
18. Regulation (EU) 2020/217 (XIV Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

**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**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

**Changes to previous review:**

The following sections were modified:

09 / 14 / 15.