(in accordance with Regulation (EU) 2015/830)

### **MAXURETHANE INJ MONO CAT**



Version: 8 Revision date: 21/01/2017 Page 1 of 10 Print date: 21/01/2017

### SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

#### 1.1 Product identifier.

Product Name:

MAXURETHANE INJ MONO CAT

1.2 Relevant identified uses of the mixture and uses advised against.

Catalyst polyurethane system

#### Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company:	DRIZORO, S.A.U.
Address:	C/ Primavera, 50 - 52 Parque Industrial Las Monjas
City:	28850 Torrejón de Ardoz
Province:	Madrid (Spain)
Telephone:	+34 91 676 66 76
Fax:	+34 91 675 11 31
Fax:	+34 91 675 11 31
E-mail:	info@drizoro.com

1.4 Emergency telephone number: +34 91 676 66 76 (Only available during office hours)

### **SECTION 2: HAZARDS IDENTIFICATION.**

#### 2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008: Acute Tox. 4 : Harmful if swallowed. Aquatic Acute 1 : Very toxic to aquatic life. Eye Dam. 1 : Causes serious eye damage. Repr. 2 : Suspected of damaging fertility. Skin Corr. 1B : Causes severe skin burns and eye damage.

#### 2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008: Pictograms:



Signal Word: **Danger** 

H statements:

H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H361fSuspected of damaging fertility. H400 Very toxic to aquatic life.

P statements:

 P260
 Do not breathe dust/fume/gas/mist/vapours/spray.

 P264
 Wash ... thoroughly after handling.

 P280
 Wear protective gloves/protective clothing/eye protection/face protection.

 P303+P361+P353
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

 P305+P351+P338
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(in accordance with Regulation (EU) 2015/830)

# MAXURETHANE INJ MONO CAT



Page 2 of 10 Print date: 21/01/2017

Version: 8

Revision date: 21/01/2017

P310Immediately call a POISON CENTER/doctor/...P321Specific treatment (see ... on this label).

EUH statements:

Restricted to professional users.

Contains: ftalato de diisobutilo Alkyl(cocoalkyl-)dimethylamine

#### 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

#### 3.1 Substances.

Not Applicable.

#### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
Identifiers			Classification	specific concentration limit
CAS No: 61788-93-0 EC No: 263-020-0	Alkyl(cocoalkyl-)dimethylamine	25 - 100 %	Acute Tox. 4, H302 - Aquatic Acute 1, H400 - Skin Corr. 1B, H314	-
Index No: 607-623- 00-2 CAS No: 84-69-5 EC No: 201-553-2	ftalato de diisobutilo	5 - 25 %	Repr. 1B, H360Df	Repr. 1B, H360Df: C ≥ 25% Repr. 2, H361f: 5% ≤ C < 25%

(\*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

### **SECTION 4: FIRST AID MEASURES.**

#### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### Eve contact.

Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

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

(in accordance with Regulation (EU) 2015/830)

# MAXURETHANE INJ MONO CAT



Page 3 of 10 Print date: 21/01/2017

Version: 8 Revision date: 21/01/2017

Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

### SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

#### 5.1 Extinguishing media.

#### Recommended extinguishing methods.

Extinguisher powder or  $CO_2$ . In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

#### 5.2 Special hazards arising from the mixture.

#### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

#### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

#### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

### SECTION 6: ACCIDENTAL RELEASE MEASURES.

#### 6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

#### 6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

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

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

#### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8. For later elimination of waste, follow the recommendations under section 13.

### SECTION 7: HANDLING AND STORAGE.

#### 7.1 Precautions for safe handling.

For personal protection, see section  $\overline{8}$ . Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

(in accordance with Regulation (EU) 2015/830)

# MAXURETHANE INJ MONO CAT



Page 4 of 10 Print date: 21/01/2017

Version: 8

Revision date: 21/01/2017

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

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III)::

		Qualifying quant the applic	
Code	Description	Lower-tier requirements	Upper-tier requirements
E1	ENVIRONMENTAL HAZARDS - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1	100	200

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

Not available.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

#### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

#### 8.2 Exposure controls.

#### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %		
Uses:	Catalyst polyurethane system		
Breathing protect	tion:		
PPE:	Filter mask for protection against gases and particles.		
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.		
CEN standards:	EN 136, EN 140, EN 405		
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.		
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.		
Filter Type needed			
Hand protection:			
PPE:	Non-disposable protective gloves against chemicals.		
Characteristics:	«CE» marking, category III. Check the list of chemicals for which the glove has been tested.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	A schedule for the periodical replacement of gloves should be established in order to guarantee their replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous than not using gloves, since the pollutant can gradually accumulate in the glove's material.		
Observations:	They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could reduce their strength.		
Material:	PVC (polyvinyl chloride) Breakthrough time > 480 Material thickness 0,35 (mm):		
Eye protection:			
PPE:	Protective goggles with built-in frame.		
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		

(in accordance with Regulation (EU) 2015/830)

# MAXURETHANE INJ MONO CAT



Version: 8

Revision date: 21/01/2017

Page 5 of 10 Print date: 21/01/2017

Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.
Skin protection:	
PPE:	Chemical protective clothing
	«CE» marking, category III. Clothing should fit properly. The level of protection
Characteristics:	must be set according to a test parameter called BT (Breakthrough Time), which
CEN standards:	indicates how long it takes for the chemical to pass through the material. EN 464,EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034
CEN Standards.	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by
Maintenance:	the manufacturer.
	The protective clothing's design should facilitate correct positioning, staying in place without moving for
Observations:	the period of use expected, bearing in mind environmental factors as well as any movement or position
	the user might adopt while carrying out the activity.
PPE:	Anti-static safety footwear against chemicals.
Characteristics:	«CE» marking, category III. Check the list of chemicals against which the footwear is resistant.
CEN standards:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345
	For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions
Maintenance:	specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.
Observations:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too
Observations:	close to a source of heat in order to avoid any sharp changes in temperature.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

#### 9.1 Information on basic physical and chemical properties.

Appearance: Transparent liquid with characteristic odour Colour: N.A./N.A. Odour:N.A./N.A. Odour threshold:N.A./N.A. pH:N.A./N.A. Melting point:N.A./N.A. Boiling Point: N.A./N.A. Flash point: 169 °C Evaporation rate: N.A./N.A. Inflammability (solid, gas): N.A./N.A. Lower Explosive Limit: N.A./N.A. Upper Explosive Limit: N.A./N.A. Vapour pressure: N.A./N.A. Vapour density:N.A./N.A. Relative density:0,97 g/cm<sup>3</sup> Solubility:N.A./N.A. Liposolubility: N.A./N.A. Hydrosolubility: N.A./N.A. Partition coefficient (n-octanol/water): N.A./N.A. Auto-ignition temperature: N.A./N.A. Decomposition temperature: N.A./N.A. Viscosity: N.A./N.A. Explosive properties: N.A./N.A. Oxidizing properties: N.A./N.A. N.A./N.A. = Not Available/Not Applicable due to the nature of the product

#### 9.2 Other information.

Pour point: N.A./N.A. Blink: N.A./N.A. Kinematic viscosity: N.A./N.A. N.A./N.A.= Not Available/Not Applicable due to the nature of the product

### SECTION 10: STABILITY AND REACTIVITY.

(in accordance with Regulation (EU) 2015/830)

## MAXURETHANE INJ MONO CAT



Version: 8 Revision date: 21/01/2017 Page 6 of 10 Print date: 21/01/2017

#### 10.1 Reactivity.

The product does not present hazards by their reactivity.

#### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions.

At high temperatures can occur pyrolysis and dehydrogenation.

#### 10.4 Conditions to avoid.

Avoid the following conditions:

- Heating.
- High temperature.

#### 10.5 Incompatible materials.

- Avoid the following materials:
- Acids.
- Bases.
- Oxidizing agents.

#### **10.6 Hazardous decomposition products.**

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION.

#### 11.1 Information on toxicological effects.

There are no tested data available on the product. Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

a) acute toxicity; Product classified: Acute toxicity (Oral), Category 4: Harmful if swallowed.

Acute Toxicity Estimate (ATE): Mixtures: ATE (Oral) = 625 mg/kg

b) skin corrosion/irritation;Product classified:Skin Corrosive, Category 1B: Causes severe skin burns and eye damage.

c) serious eye damage/irritation; Product classified: Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitisation; Not conclusive data for classification.

e) germ cell mutagenicity; Not conclusive data for classification.

f) carcinogenicity; Not conclusive data for classification.

g) reproductive toxicity; Product classified: Reproductive toxicant, Category 2: Suspected of damaging fertility or the unborn child.

h) STOT-single exposure; Not conclusive data for classification.

(in accordance with Regulation (EU) 2015/830)

# MAXURETHANE INJ MONO CAT



Page 7 of 10 Print date: 21/01/2017

Version: 8 Revision date: 21/01/2017

i) STOT-repeated exposure; Not conclusive data for classification.

j) aspiration hazard; Not conclusive data for classification.

### SECTION 12: ECOLOGICAL INFORMATION.

#### 12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

#### 12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

#### 12.3 Bioaccumulative potencial.

No information is available regarding the bioaccumulation of the substances present.

#### 12.4 Mobility in soil.

No information is available about the mobility in soil. The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground.

#### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

#### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

### SECTION 13 DISPOSAL CONSIDERATIONS.

#### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

### SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG.

Transport documentation: Bill of lading

Air: Transport by plane: ICAO/IATA.

Transport document: Airway bill.

(in accordance with Regulation (EU) 2015/830)

## MAXURETHANE INJ MONO CAT



Version: 8 Revision date: 21/01/2017 Page 8 of 10 Print date: 21/01/2017

**14.1 UN number.** UN No: UN2735

#### **14.2 UN proper shipping name.** Description:

ADR: UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS ALKYL(COCOALKYL-)DIMETHYLAMINE), 8, PG III, (E) IMDG: UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS ALKYL(COCOALKYL-)DIMETHYLAMINE), 8, PG III, MARINE POLLUTANT

ICAO: UN 2735, AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS ALKYL(COCOALKYL-)DIMETHYLAMINE), 8, PG III

#### 14.3 Transport hazard class(es).

Class(es): 8

#### 14.4 Packing group.

Packing group: III

#### 14.5 Environmental hazards.



Dangerous for the environment

### 14.6 Special precautions for user.

Labels: 8



Hazard number: 80 ADR LQ: 5 L IMDG LQ: 5 L ICAO LQ: 1 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR. Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-A,S-B Proceed in accordance with point 6. IMDG Code segregation group: 18 Alkalis

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.** The product is not transported in bulk.

### **SECTION 15: REGULATORY INFORMATION.**

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC) VOC content (p/p): 0 % VOC content: 0 g/l

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): E1

(in accordance with Regulation (EU) 2015/830)

# MAXURETHANE INJ MONO CAT



Page 9 of 10 Print date: 21/01/2017

Version: 8 Revision date: 21/01/2017

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

Designation of the substance, of the	Conditions of restriction
group of substances or of the mixture	
<ul> <li>30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed as follows:</li> <li>Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5</li> <li>Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6</li> </ul>	<ol> <li>Shall not be placed on the market, or used,         <ul> <li>as substances,</li> <li>as constituents of other substances, or,</li> <li>in mixtures,</li> <li>for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:                 <ul></ul></li></ul></li></ol>

#### 15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.

### **SECTION 16: OTHER INFORMATION.**

Complete text of the H phrases that appear in section 3:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H400	Very toxic to aquatic life.

Classification codes:

Acute Tox. 4 [Oral] : Acute toxicity (Oral), Category 4 Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1 Eye Dam. 1 : Serious eye damage, Category 1 Repr. 1B : Reproductive toxicant, Category 1B Repr. 2 : Reproductive toxicant, Category 2 Skin Corr. 1B : Skin Corrosive, Category 1B

(in accordance with Regulation (EU) 2015/830)

# MAXURETHANE INJ MONO CAT



Page 10 of 10 Print date: 21/01/2017

Version: 8 Revision date: 21/01/2017

Sections changed compared with the previous version:

#### 1,2,4,7,14,16

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- CEN: European Committee for Standardization.
- PPE: Personal protection equipment.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.
- IMDG: International Maritime Code for Dangerous Goods.
- RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data: http://eur-lex.europa.eu/homepage.html http://echa.europa.eu/ Regulation (EU) 2015/830. Regulation (EC) No 1907/2006. Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.