

## Material safety data sheet

### MaXClean

Material safety data sheet in accordance with regulation (EC) No. 1907/2006 as amended by regulation (EU) No. 2015/830

Issue date: 11 February 2020, revision 1

#### SECTION 1: Identification of the substance or compound and the

Commercial name:

**MaXClean**

Commercial code:

3226695, 3226696

Type of product and use:

Fluid for mechanical machining and grinding

Supplier:

DROPSA SpA - Via B. Croce, 1- 20090 Vimodrone (Mi)  
Tel. 02 250791 - Fax 02 2507767

#### SECTION 2: Identification of hazards

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

##### 2.1.1 Classification in accordance with regulation (EC) No. 1272/2008 [CLP]

This compound is classified as non hazardous in accordance with regulation (EC) No. 1272/2008 [GHS]

**Classification procedure:** Calculation method

## 2.2. Tag elements

This compound is classified as non hazardous in accordance with regulation (EC) No. 1272/2008 [GHS]Warning  
**Nothing**

### Hazard Indications

EUH210 - Material safety data sheet available on request

### Recommended cautions

Nothing

## 2.3. Other hazards

none in normal conditions of use

# SECTION 3: Composition/information on the ingredients

## 3.1. Substances

Not applicable. The product is a compound.

## 3.2. Compounds

### **Description of the compound:**

Product is a compound of: polymer, water, salt, additives.

### **Hazardous ingredients:**

Chemical name	EC number	Substance number	REACH Registration No.	Weight-%	Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	
2,2"-Methylimino diethanol 105-59-9	203-312-7	603-079-00-5	01-2119488970-24	1 - 5	Eye Irrit. 2 (H319)	

Complete test of phrases H and EUH: see Section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General notes:** No danger that requires special first aid measures

**If inhaled:** Not hazardous if inhaled.

**In contact with the skin:** Not hazardous for contact with the skin.

**In contact with the eyes:** Not hazardous for contact with the eyes.

**If ingested:** Rinse the mouth

**Self-protection of the rescue worker:** The rescue worker must have personal protection.

**4.2. Main symptoms and effects, both acute and delayed**

**If inhaled:**

**Acute:** No symptoms or effects are reported.

**Delayed:** No symptoms or effects are reported.

**In contact with the skin:**

**Acute:** No symptoms or effects are reported.

**Delayed:** No symptoms or effects are reported.

**In contact with the eyes:**

**Acute:** No symptoms or effects are reported.

**Delayed:** No symptoms or effects are reported.

**If ingested:**

**Acute:** No symptoms or effects are reported.

**Delayed:** No symptoms or effects are reported.

**4.3. Indications of the possible need to immediately seek medical attention and special treatments**

**If inhaled:** No information available

**In contact with the skin:** No information available **In**

**contact with the eyes:** No information available **If**

**ingested:** No information available

## SECTION 5: Fire prevention measures

### 5.1. Means of extinction

**Suitable means of extinction:** Dry chemical product  
Foam  
Water  
Carbon dioxide (CO<sub>2</sub>)

**Non suitable means of extinction:** High volume water spray

### 5.2. Special hazards stemming from the substance or the compound

**Hazardous combustion products:** Not applicable Boiling point 100°C (the product contains water)

### 5.3. Recommendations for fire fighting personnel

Standard procedure for chemical substances fires

## SECTION 6: Measures in case of accidental spill

### 6.1. Personal precautions, protection devices and procedures in case of emergency

#### 6.1.1 For non-emergency personnel

**Protective devices:** Use suitable protective equipment (see also section 8) to prevent contamination of the skin, the eyes and personal garments.

**Emergency procedures:** See an expert.

#### 6.1.2 For emergency personnel

**Protective devices:** Use suitable protective equipment (see also section 8) to prevent contamination of the skin, the eyes and personal garments.

**Emergency procedures:** See an expert.

### 6.2. Environmental precautions

Do not empty into surface waters or toilets

### 6.3. Methods and materials for containment and reclamation

**6.3.1 For containment:** Drain covers.

**6.3.2 For reclamation:** Dry with harmless absorbent material (for example, sand, silica gel, acid binder, universal binder, sawdust)

**6.3.3 Other information:** Immediately eliminate leaks

### 6.4. Reference to other sections

See also 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Protective measures:**

**Prevention measures for fires:** Always keep ignition sources and product separate. Use a fire suppression system that is suitable for the system and the potential risks.

**Measures to prevent against the formation of aerosols and powders:** Ensure sufficient air exchange and/or exhaust in the work environment.

**Measures for the protection of the environment:** Do not empty into surface waters or toilets

**Generic recommendations on professional hygiene:** Wash hands thoroughly after use

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

**Technical measures and storage conditions:**

Store at 4- 35 °C

**Materials for the packaging:** Store in the original packaging or in a dedicated reservoir.

**Requirements for storage rooms and containers:** Store in compliance with the local and national regulations.

**Storage classes:** 10 (D: TRGS 510)

**Further information on storage conditions:** No information available

### 7.3. Particular end uses

**Recommendations:** See the technical data sheet

**Concentration of use:** 6 - 10 %

**Specific industrial sector solutions:**

See the technical data sheet

**Exposure scenarios (s):** Exposure scenario is not yet available.

**SECTION 8: Exposure control/personal protection**

**8.1. Control parameters**

<b>2,2''-Methylimino diethanol</b>	
EU - professional exposure (2000/39/EC) - first list of indicative professional exposure Limit values - twas	Not certified
EU - professional exposure (2000/39/EC) - first list of indicative professional exposure Limit values - stels	Not certified

**8.2. Exposure checks**

**8.2.1 Suitable technical checks:**

**Technical measures to prevent exposure:**

Guarantee adequate ventilation, especially in confined areas

**8.2.2 Personal protective equipment:**

**8.2.2.1 Protection for the eyes and skin:**

Use of safety eye wear is recommended.

**8.2.2.2 Skin protection:**

**Hand protection:**

Use of gloves resistant to chemical substances is recommended.

**Other skin protection:**

Use of long-sleeved protective apparel is recommended.

**8.2.2.3 Respiratory protection:**

Adequate ventilation is recommended.

**8.2.2.4 Thermal hazards:**

Product is without thermal hazards.

**8.2.3 Environmental exposure checks:**

**Technical measures to prevent exposure:**

Do not empty into surface waters or toilets

**SECTION 9: Physical and chemical properties**

**9.1. Information on the fundamental physical and chemical properties**

a) Appearance

*Colour:* Light yellow  
*Physical state:* Liquid

b) Odour Characteristic

c) Olfactory threshold delicate odour

d) pH 9.15

e) Melting point/freezing point (°C) No information available

f) Initial boiling point and boiling range (°C) >100

g) Flash point(°C) Not applicable Boiling point 100°C (the product contains water)

h) Evaporating speed (BuAc = 1) No information available

i) Flammability (solids, gases) No information available

j) Upper/lower flammability or explosive limits No information available

k) Vapour pressure (kPa) No information available

l) Vapour density: (air = 1) No information available

m) Relative density (g/cm<sup>3</sup>) 1,040  
*at (°C)* 20

n) Solubility/solubilities  
*in water* Soluble

o) Partition coefficient: n-octanol/water No information available

p) Autoignition temperature (°C) No information available

q) Decomposition temperature (°C) No information available

r) Viscosity (mm<sup>2</sup>/s) 32.6  
*at (°C)* 40

s) Explosive properties Product is not is explosive.

t) Oxidizing properties The product is not an oxidant

**9.2. Other information**

a) Pour point (°C) -18

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

Stable if stored in accordance with the instructions

**10.2. Chemical stability**

Stable if stored in accordance with the instructions

**10.3. Possibility of dangerous reactions**

Stable if stored in accordance with the instructions

**10.4. Conditions to avoid**

None known

**10.5. Incompatible materials**

Strong oxidising agents

**10.6. Hazardous decomposition products**

none in normal conditions of use

**SECTION 11: Toxicological information****11.1. Information on toxicological****effects Acute toxicity****Product data:**

STAmix - Oral (mg/kg): >2000  
STAmix - Dermal (mg/kg): >2000  
STAmix - Inhal. (mg/l/4 h - vapours): >20

**Components data:**

Chemical name	LD50 - Oral, Rat (mg/Kg)	LD50 - Skin, Rabbit (mg/Kg)	CL50 - By inhalation, Rat, 4 hours (mg/l)
2,2"-Methylimino diethanol 105-59-9	4680	No information available	No information available

**Corrosion/skin irritation****Product data:**

Results: No information available

**Serious eye injuries/serious eye irritations****Product data:**

Results: No information available



### Sensitization of the respiratory system or the skin

**Product data:**

Results: No information available

### Mutagenicity on germ cells

**Product data:**

Results: No information available

### Carcinogenicity

**Product data:**

Results: No information available

### Toxicity for reproduction

**Product data:**

Results: No information available

### Summary of the assessment of the CMR properties

**Product data:**

Results: No information available

### STOT - single exposure

**Product data:**

Results: No information available

### STOT - repeated exposure

**Product data:**

Results: No information available

### Danger IN case of aspiration

**Product data:**

Results: No information available

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Acute (short term) toxicity

###### Product data:

LC50 (Fish - 96h): >100 mg/l

EC50 (Water Flea - 48h): >100 mg/l

IC50 (Algae - 72h): >100 mg/l

###### Components data:

Chemical name	LC50 (Fish - 96h)	EC50 (Water Flea - 48h)	IC50 (Algae - 72h)
2,2"-Methylimino diethanol 105-59-9	1466 mg/L (Leuciscus idus) 1000 mg/L (Pimephales promelas)	233 mg/L (Daphnia magna)	>100 mg/l (Scenedesmus subspicatus)

##### Chronic toxicity (long term)

###### Product data:

LC50 (Fish - 96h): >100 mg/l

EC50 (Water Flea - 48h): >100 mg/l

IC50 (Algae - 72h): >100 mg/l

Biodegradability: No information available

Partition coefficient n-octanol/water (log Kow): No information available

**Bioconcentration factor (BCF)** No information available

**Components data:**

Chemical name	LC50 (Fish - 96h)	EC50 (Water Flea - 48h)	IC50 (Algae - 72h)
2,2"-Methylimino diethanol 105-59-9	1466 mg/L (Leuciscus idus) 1000 mg/L (Pimephales promelas)	233 mg/L (Daphnia magna)	>100 mg/l (Scenedesmus subspicatus)

Chemical name	Biodegradability	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
2,2"-Methylimino diethanol 105-59-9	No information available	No information available	No information available

### 12.2 Persistence and degradability

**Product data:**

**Abiotic degradation:** No information available

**Physical and photochemical elimination:** No information available

**Biodegradability:** No information available

**Components data:**

Chemical name	Abiotic degradation	Physical-Chemical and photochemical elimination	Biodegradability
2,2"-Methylimino diethanol 105-59-9	No information available	No information available	No information available

### 12.3 Bioaccumulation potential

**Product data:**

**Partition coefficient n-octanol/water (log Kow):** No information available

**Bioconcentration factor (BCF)** No information available

**Components data:**

Chemical name	Partition ratio n-octanol/water (log Kow)	Bioconcentration factor (BCF)
2,2"-Methylimino diethanol 105-59-9	No information available	No information available

### Mobility in the soil

**Product data:**

**Distribution for known or estimated environmental compartment:**

No information available

**Surface tension:** No information available

**Components data:**

Chemical name	Distribution for known or estimated environmental compartment	Surface tension
2,2"-Methylimino diethanol 105-59-9	No information available	No information available

### 12.4 Results of PBT evaluation

No information available

### 12.5 Other adverse effects

No information available

### 12.6 Additional information

No information available

## SECTION 13: Considerations for disposal

### 13.1. Waste treatment method

**Product/packaging disposal:**

**Packaging data:**

**Recycling:** Use a European empty packaging return programme. For example: NCG-europe.com.

**Product data:**

**Waste codes/waste designations pursuant to LoW:**

**Upon delivery:** 16 03 - non conforming and unused products  
16 03 06 - organic waste other than that pursuant to item 16 03 05

## SECTION 14: Information on transport

**14.1. UN number**

Not regulated

**14.2. UN proper shipping name**

Not regulated

**14.3. Hazard classes connected to transport**

Not regulated

**14.4. Packaging group**

Not regulated

**14.5. Hazards for the environment**

Not regulated

**14.6. Special precautions for the users**

Not regulated

**14.7. Bulk transport in accordance with Annex II of MARPOL 73/78 and the IBC code**

Not regulated

## SECTION 15: Information on regulation

**15.1. Health, safety and environmental standards and legislation specific for the substance or compound EU Regulations**

Authorisations and/or restrictions of use

**Authorisations:**

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 18 December 2006, concerning the registration, evaluation, authorisation and restriction of chemical substances (REACH) which institutes a European agency for chemical substances, which amends directive 1999/45/EC and which abrogates regulation (EEC) No. 793/93 of the Council and regulation EC No. 1488/94 of the Commission, as well as directive 76/769/EEC of the Council and Commission directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**ANNEX XIV - LIST OF THE SUBSTANCES SUBJECT TO AUTHORISATION**

The product does not contain substances pursuant to this annex.

**Restrictions of Use**

**REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 18 December 2006, concerning the registration, evaluation, authorisation and restriction of chemical substances (REACH) which institutes a European agency for chemical substances, which amends directive 1999/45/EC and which abrogates regulation (EEC) No. 793/93 of the Council and regulation EC No. 1488/94 of the Commission, as well as directive 76/769/EEC of the Council and Commission directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC**

**ANNEX XIII - CRITERIA FOR IDENTIFICATION OF PERSISTENT, BIOACCUMULATIVE AND TOXIC SUBSTANCES AND OF VERY PERSISTENT AND VERY BIOACCUMULATIVE SUBSTANCES**

The product does not contain substances pursuant to this annex.

**ANNEX XVII - RESTRICTIONS ON FABRICATION, PLACING ON THE MARKET AND USE OF SOME HAZARDOUS SUBSTANCES, SOLUTIONS AND ARTICLES**

The product does not contain substances pursuant to this annex.

**Other EU Regulations****REGULATION (EC) No. 648/2004 OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 31 March 2004 relative to detergents**

The product is not subject to this regulation.

**REGULATION (EU) No. 649/2012 OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 04 July 2012, on the exportation and importation of hazardous chemical substances**

The product does not contain components pursuant to this regulation.

**REGULATION (EC) No. 111/2005 OF THE COUNCIL OF 22 December 2004 bearing standards for control of the commerce of drug precursors between the European Community and third party countries**

The product does not contain components pursuant to this regulation.

**REGULATION (EC) No. 1005/2009 OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 16 September 2009 on substances****that reduce the ozone layer**

The product does not contain components pursuant to this regulation.

**REGULATION (EU) No. 98/2013 OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 15 January 2013 relative to the placement on the market and use of explosive precursors**

The product does not contain components pursuant to this regulation.

**Decision of the Commission of 3 May 2000 that replaces decision 94/3/EC which institutes a list of waste in compliance with article 1, letter a) of directive 75/442/EEC of the Council relative to waste and decision 94/904/EC of the Council which institutes a list of hazardous waste pursuant to article 1, paragraph 4, of directive 91/689/EEC of the Council relative to hazardous waste [notified with the number C(2000) 1147] (Text relevant for the purposes of the SEE) (2000/532/EC)**

**Waste codes/waste designations pursuant to LoW:**

**Upon delivery:** 16 03 - non conforming and unused products  
16 03 06 - organic waste other than that pursuant to item 16 03 05

**COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items**

Product contains components pursuant to this regulation.

Chemical name	EU - Control of Exports of Dual Use Items
2,2"-Methylimino diethanol 105-59-9	1C450.b.8

**National instructions****In Spain****Product data:****In France****Product data:**

Tableaux de maladies professionnelles: 49

**In Germany****Product data:****Hazard classes for the aquatic environment**

(Wassergefährdungsklassen): 1 (S)

**In Italy****Product data:**

**Other dispositions of prevailing standards:** threshold limits (LTV) and biological exposure indicators (IBE) ACGIH 2001

Protection of workers against exposure to chemical, physical and biological agents during work (DL212 of 30/07/90)

General standards for occupational hygiene (Presidential Decree 303 of 19/3/56)

Regulations and tables on professional diseases in the industry (Presidential Decree 336 of

13/04/94) Legislative Decree 81/2008 of 9 April 2008 as amended

Relevant accidents risks (Seveso bis - DL 334/99)

Standards on exhaust (DM 51 of 12/7/90)

Standards on atmospheric pollution (Presidential Decree of 12/7/90 and

25/7/91) Standards for protection of the waters (DL 152 of 11/05/99)

Standards on disposal and transport of hazardous waste (DL 22/97 and 389/97)

Standards on ADR/RID ground transport (transposition dir. EC 94/55): Ministerial Decree of 04/09/96 and implementations

Unified text on classification, packaging and labelling of hazardous substances with transposition up to Directive

2004/73/EC (29th adaptation to technical progress of directive 67/548/EC)

Standards for filling out the Material Safety Data Sheet with transposition of directive 2001/58/EC

**In Poland****Product data:**

The Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC of the trades and repealing the trades the Regulation repealing Council Regulation (EEC) No. 793/93. The 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, as amended Regulation of the European Parliament and of the Council (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing the Directives 1999/45/EC, Directive 67/548/EEC and amending the Regulation (EC) No. 1907/2006, with changes. Ordinance of the Minister of Health of 30 December 2004 on safety and health relationship are tied to the existence of chemical agents (Dz.U.2005nr11poz.86), as amended. The Act of 25 February 2011 chemical substances and mixtures (Dz.U.2011nr63poz.322). Ordinance of the Minister of Health of 20 April 2012 on the labelling of chemical substances and mixtures, and certain mixtures (Dz.U.2012nr0poz.445). Ordinance of the Minister of Labour and Social Policy of 6 June 2014 on maximum permissible concentration assumptions Nate assumptions of harmful factors in the working environment. The Act of 27 April 2001 r.o waste (Dz.U.2001 No. 62 item 628). Ordinance of the Minister of Environment of 27 September 2001. on waste (Dz.U.Nr 112, item 1206). Regulation (EU) No 453/2010 of 20 May 2010 amending the CYM The Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration Evaluation, Authorisation and Restriction of Chemicals (REACH).

**15.2. Chemical safety evaluation**

No chemical safety evaluation was conducted for this substance/compound by the supplier.

**SECTION 16: Other information****Report of amendments**

<b>Version:</b>	1
<b>Revision date:</b>	16-08-2017
<b>Reason for the revision:</b>	New formulation
<b>Print date:</b>	16-08-2017

**Abbreviations and acronyms**

CLP - Regulation relative to classification, labelling and packaging: regulation (EC) No. 1272/2008

REACH - Registration, evaluation, authorisation and restriction of chemical substances Regulation (EC) No. 1907/2006

**Main bibliographical references and****information sources****Filling in the material safety data sheet:**

Regulation (EC) No. 1907/2006 of the European Parliament and the Council of 18 December 2006, concerning the registration, evaluation, authorisation and restriction of chemical substances (REACH) which institutes a European agency for chemical substances, which amends directive 1999/45/EC and which abrogates regulation (EEC) No. 793/93 of the Council and regulation EC No. 1488/94 of the Commission, as well as directive 76/769/EEC of the Council and Commission directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**Amended by:**

Regulation (EU) No. 453/2010 of the Commission, of 20 May 2010, bearing amendment of regulation (EC) No. 1907/2006 of the European Parliament and the Council concerning the registration, evaluation, authorisation and restriction of chemical substances (REACH) (Text relevant for the purposes of the SEE)

Classification procedure: Calculation method



**Complete text of the H phrases to which reference is made indicated in section 3**

H319 - Causes serious eye irritation

**Indications on training**

The information contained on this material safety data sheet must be available for the professional user. The professional user of this product must be adequately informed concerning the possible risks of this product. The professional user of this product must be adequately trained in the handling and use of chemical products.

**Other additional information****Disclaimer**

The information contained on the material safety data sheet is provided to allow our customer to conduct a correct evaluation in terms of safety, health and the environment.

The information contained is based on the data in our possession, which is deemed accurate and reliable.

Nevertheless, it does not constitute a guarantee of suitability for use, nor any other guarantee, expressed or implicit, relative to the performance of the same or the risks relative to incorrect use of the product.

Because use of the product is under the exclusive control of the end user, the user is responsible for applying the safety standards relative to use of the same.

DropsA assumes no responsibility for damage or accidents, direct or as a consequence, relative to the incorrect use of the product.