

DT0520 // Microplan® Liquid Detergent

MSDS 2019. 0 # Release date: January, 7 2019

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product name: **DT0520 liquid detergent for granite**

Product code: DT0520

Product type and use: liquid detergent for the cleaning of granite instruments

Supplier: Seller [x]

Microplan Italia Srl, Via Monte Rosa, 7

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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is classified as dangerous in accordance to the provisions of the Regulation (EC) 1272/2008 (CLP) (and following amendments and adjustments). The product requires therefore a safety data sheet in compliance to the provisions of the Regulation (EC) 1907/2006 and following amendments. Any additional information about health or environmental risks are reported from section 9 to section 12 of this data sheet.

Classification and indication of hazard according to CLP (Reg. 1272/2008):

Eye Irrit. 2 H319

2.2 Label elements

Hazard pictograms:



GHS07

Warnings: Hazard

Hazard statements:

H319 Causes serious eye irritation

Precautionary statements:

P264 Wash thoroughly after handling.

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

P305 + P351 + P338 IF IN EYES: rinse cautiously with water for several minutes;

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: get medical advice/attention.

Other hazards: none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: no relevant information

3.2 Mixtures:

It contains:

ALCHILALCOOL HETHOXYLATED

Registration no.: exempt (polymer)

CAS: 71060-57-6

EINECS: N.A.

CLP: Eye Dam:1 H318

Conc. 1-1,5

4. FIRST AID MEASURES

4.1 Description of the first aid measures

Exposure ways:

- *Skin contact:* rinse immediately with plenty of water.
- *Eye contact:* rinse with plenty of water for at least 10 minutes.
- *Ingestion:* induce vomiting. GET IMMEDIATELY MEDICAL ATTENTION, showing this safety data sheet. It is possible to give active carbon in water or liquid paraffin.
- *Inhalation:* ventilate the area. Remove immediately the patient from the contaminated place to rest in a well-ventilated area. If you feel unwell seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

N.A.

4.3 Indication of any immediate medical attention and special treatment needed

See section 4.1

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: water, CO₂, foam, dry powders according to the materials involved in the fire.

Unsuitable extinguishing media: none in particular

5.2 Special hazards arising from the substance or mixture

None in particular

5.3 Advice for firefighters

Avoid inhaling the fumes. Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Send away from the affected area people not involved in the emergency intervention.

Personal precautions: wear gloves and protective clothing.

6.2 Environmental precautions

If the product has flowed into a water course, into the sewer system, or has contaminated the ground or vegetation, notify the competent authorities.

6.3 Methods and material for containment and cleaning up

Recommendations on how to contain a spill:

- Limit leakages with earth or sand.

Recommendations on how to clean up a spill:

- If the product is in a liquid form, stop it from entering the sewer system.

Recover the product for re-use, if possible, or for elimination. If required, absorb it through inert material.

After collection, wash with water the area and materials involved.

6.4 Reference to other sections

Section 8 and section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact and inhalation of fumes. Handle the product after consultation with all the other sections of this safety data sheet. Avoid dispersion of the product into the environment. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering areas where you eat. See also next paragraph 8.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store closed containers in well-ventilated place, away from direct sunlight. Store containers away from any incompatible materials, checking section 10.

7.3 Specific end use(s)

None. For specific uses see chapter 1, 2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

National: N.A.

EC: N.A.

Biological limit values: N.A.

Recommended monitoring procedures: N.A.

DNEL: N.A.

PNEC: N.A.

8.2 Exposure controls

As the use of adequate technical equipment should always have priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration.

The personal protective equipment must contain the EC marking, which certifies their compliance with applicable regulations.

Personal protective equipment:

Eyes/face protection: safety glasses.

Skin protection (hands): no particular precaution must be adopted for the normal use. In any case, operate according to good working practices.

Respiratory protection: not needed for normal use.

Environmental exposure controls:

Emissions from production processes, including those from ventilation, should be checked in compliance to environmental protection legislation.

Exposure limit value of contained substances: none.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: liquid, clear, yellow-green

Odour: characteristic

Odour threshold: N.A.

pH: 12.0 +/- 0.5

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: N.A.

Evaporation rate: N.A.

Flammability (solid, gas): N.A.

Upper / lower flammability or explosive limits: N.A.

Vapour pressure: N.A.

Vapour Density: N.A.

Relative density (20°C): 1,010 +/- 0.005 g / ml

Solubility (in water): N.A.

Partition coefficient: n-octanol / water: N.A.

Auto-ignition temperature: N.A.

Decomposition Temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

oxidizing properties: N.A.

9.2 Other information: N.A.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No.

10.2 Chemical stability

Stable at normal conditions.

10.3 Possibility of hazardous reactions

Exothermic reactions, if the mixture is in contact with acidic substances.

10.4 Conditions to avoid

Avoid contact with combustible materials. The product could catch fire.

10.5 Incompatible materials

Acidic substances.

10.6 Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

No toxicological data are available on the product itself.

Consider then the concentration of each substance to assess the toxicological effects deriving from the exposition to the mixture.

Below you can find all the toxicological information relating to the main substances in the mixture.

Dangerous health effects from exposure to the mixture: see sections 2 and 4.

11.1 Information on toxicological effects

ALKYL ALCOHOL ETHOXYLATES:

- Acute Toxicity: LD50 > 2000 mg/kg body weight
- Skin corrosion/Irritation: not irritating. Method Draize Test
- Serious eye damage/Irritation: extremely irritating. Method Draize Test.
- Mutagenesis of germ cells: N.A.
- Mutagenesis in vitro: not mutagenic. Method: OECD 471

12. ECOLOGICAL INFORMATION

Use according with good practice, avoiding to disperse the product in the environment (see also section 6, 7, 13, 14 and 15).

No eco toxicological data are available on the product itself.

12.1 Toxicity

ALKYL ALCOHOL ETHOXYLATES:

Acute toxicity – fish:

LC50 > 1 < 10 MG product/l. (Analogy)

Acute toxicity – bacterial:

EC0 > 100 MG product/l. (Analogy)

12.2 Persistence and degradability

ALKYL ALCOHOL ETHOXYLATES:

Primary degradation:

The surface-active agents contained in the product are readily biodegradable.

Ultimate biodegradation:

Quick and easy to degrade: in tests of easy degradability, all substances contained in the product achieved values > 60% BOD / COD, or formation of CO₂, or > 70% DOC reduction. This is within the limit values for 'readily degradable'(eg. OECD 301 methods). (Analogy).

12.3 Bioaccumulative potential**ALKYL ALCOHOL ETHOXYLATES:**

No accumulation in organisms is expected.

12.4 Mobility in soil**ALKYL ALCOHOL ETHOXYLATES:**

Transport assessment between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

An absorption to solid phase of soil is possible.

12.5 Results of PBT and vPvB assessment**ALKYL ALCOHOL ETHOXYLATES:**

This product does not contain any substances classified as PBT (persistent bioaccumulative toxic) or vPvB (very persistent very bioaccumulative).

12.6 Other adverse effects

N.A.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Recover if possible. Send to authorized disposal plants or for incineration under controlled conditions. Operate according to local and national regulations.

14. TRANSPORT INFORMATION

Goods not dangerous according to transport regulations.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Marine pollutant: no

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport in bulk.

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

Directive 67/548 /EEC (Classification, Packaging and Labelling of dangerous substances) and following amendments;

Directive 99/45 /EC (Classification, Packaging and Labelling of dangerous preparations) and subsequent amendments;

Regulation n. 1907/2006/EC (REACH)

Regulation 453/2010 /EU

Regulation n. 1272/2008/EC (CLP);

Regulation n. 790/2009 /EC regulation (amending, for the purposes of adaptation to technical and scientific progress, ATP of

Regulation n.1272/2008/EC)

Legislative Decree 81/2008 (consolidated text on the protection of health and safety in the workplace) and subsequent amendments,

and Directive 2009/161/EU;

Regulation 648/2004/EC on detergents and subsequent amendments.

15.2 Chemical safety assessment

N.A.

16. OTHER

This safety data sheet has been revised in all its sections in accordance with Regulation 453/2010 / EU.

Acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ACGIH: American Conference of Governmental Industrial Hygienists

CLP: Classification, Labelling and Packaging

CSR: Chemical Safety Report

DL 50: Lethal dose 50 (lethal dose for 50% of individuals)

DNEL: Derived no effect level

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG Code: International Maritime Dangerous Goods code

LC50: Lethal Concentration 50 (lethal concentration for 50% of individuals)

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted effects of concentration

RID: Regulations concerning the International Railway Transport of Dangerous Goods.

STEL: Short term exposure limit

TLV: threshold limit value

TWA: Time Weighted Average

EU: European Union

vPvB: Very persistent very bioaccumulative

Abbreviations

N.A. = Not available

T.I. = Technically impossible

[...] = Bibliographic Reference

Key literature references and sources of data

ECDIN = Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van

Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

Full text of R and H phrases used in sections 2-15

H319 Causes serious eye irritation

Substances contained in accordance with Regulation (EC) n. 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents-ALL. VII A:

- Phosphonates: concentration lower than 5%;
- Phosphates: concentration lower than 5%;
- EDTA and salts: concentration lower than 5%;
- Non-ionic surface-active agents: concentration lower than 5%.

The information contained herein is based on our knowledge as of the date indicated. They refer solely to the product indicated and constitutes no guarantee of particular quality. The user must verify the suitability and completeness of such information in relation to the specific use intended.

This sheet supersedes any previous edition.