



SAFETY DATA SHEET

In compliance with Regulations 1272/2008 (CLP), 1907/2006 (REACH), 648/2004 and 830/2015

Internal code: T056-M

Review nr. 03 del

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: **MARINE ANTI-CALC POWDER**
Commercial code: T056-M

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

Use: Product for limestone removal.
Uses advised against: All uses not specifically listed on the label on the product packaging.

1.3. Details of the supplier of the safety data sheet

UT Europe Srl.–Via Scarsellini 119 –16149 Genova (GE) Italy Tel+39 010 6467352
Competent person responsible for the safety data sheet:
info@uteurope.it

1.4. Emergency telephone number

Niguarda Hospital Milano, Poison Control Center 0039/0266101029
EE - Poisoning Information Centre 16662; when abroad: (+372) 794 3794
LV - Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs +371 67042473
LT - Aplinkos Apsaugos Agentūra +370 5 2662808

2. HAZARDS IDENTIFICATION

2.1. Classification of the mixture.

EC regulation criteria 1272/2008 (CLP):

This product is **not classified as hazardous** according to Regulation EC No 1272/2008 (CLP).
Adverse physicochemical, human health and environmental effects: No other hazards.

2.2. Label elements.

EC regulation criteria 1272/2008 (CLP):

Hazard statements:
This product does not have a classification according to the CLP regulation.

Symbols:
None

Hazard statements:
None

Precautionary statements:
P102: Keep out of reach of children.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Special Provisions: None



SAFETY DATA SHEET

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Internal code: T056-M

Review nr. 03 del

Contents:

-

2.3. Other hazards.

This mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances.

N.A.

3.2. Mixtures.

N.A.

4. FIRST AID MEASURES

4.1. Descriptions of first aid measures.

In case of skin contact:

Rinse exposed area with water. If irritation persists, consult a physician.

In case of eyes contact:

Flush eyes thoroughly with lukewarm water for 15 minutes. If irritation persists, consult a physician.

In case of Ingestion:

Do not induce vomiting. Seek medical advice immediately, showing the safety data sheet. Administer anti-foaming agents (dimethicone). Contact a poison control center.

In case of Inhalation:

Ventilate the area. Immediately remove the patient from the contaminated premises and made 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.

Ingestion: Possible irritation of the mucous membranes of the gastrointestinal tract. Possible diarrhea.

Eye contact: Possible irritation of the eyes / conjunctivitis.

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

See section 4.1.

5. FIRE-FIGHTING MEASURES

Product is not flammable.

5.1. Extinguishing media.

Suitable extinguishing media

CO₂, water, or dry chemical.

Extinguishing media which must not be used for safety reasons

None in particular.

5.2. Special hazards arising from the substance or mixture.

Hazards due to exposure in the event of fire

Avoid breathing products of combustion.

5.3. Advice for fire-fighters.

General Information

Use suitable breathing apparatus. Collect extinguishing water. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

T056-M

UT Europe S.r.l.

Page 2 of 7

Via Scarsellini, 119 - 10° piano 16149 Genoa Italy

www.uteurope.it P. IVA 01810400992



SAFETY DATA SHEET

In compliance with Regulations 1272/2008 (CLP), 1907/2006 (REACH), 648/2004 and 830/2015

Internal code: T056-M

Review nr. 03 del

Equipment

Hardhat with visor, fireproof clothing, work gloves (fireproof, cut proof and dielectric), mask with facemask covering the whole of the face or breathing apparatus in case of large amount of smoke.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

Stave off people not involved in the intervention of emergency.

Keep away from sources of ignition.

Wear personal protective equipment: safety glasses, gloves and protective clothing, and pay attention to the slipperiness of the contaminated areas.

6.2. Environmental precautions.

Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Disposal of contaminated material must be done in accordance with the provisions of section 13.

6.4. Reference to other sections.

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

7. HANDLING AND STORAGE

7.1. Precautions for safe handling.

Store in closed, labeled containers. Avoid contact with eyes and skin. When using do not eat or drink. Provide accurate ventilation / exhaustion at the workplace.

7.2. Conditions for safe storage, including any incompatibilities.

Normal storage conditions without particular incompatibilities.

7.3. Specific end use(s).

All of the uses expressly indicated on the label applied to the product packaging.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS NATIONAL OCCUPATIONAL EXPOSURE LIMITS (IUCLID):
Zeolite CAS 1318-02-1

Value		Intervent x time		Type
0,15	mg/m ³	18	mg/m ³ (1x8h)	MAK (DE)
3	mg/m ³	18	mg/m ³ (1x8h)	TLV (US)

8.2. Exposure controls.

Information for home use:

Product is not 'dangerous for normal use. The information in this section refers to the manipulation of large amounts of loose material.

8.2.1. Engineering controls.

If there are no applicable exposure limit requirements or guidelines, général ventilation should be sufficient for most opérations.

8.2.2. Individual protection measures:

a) Eye/face protection: Use safety glasses (with side shields) should be consistent with EN 166:2001, EN172:1994, EN ISO 4007:2012.



SAFETY DATA SHEET

In compliance with Regulations 1272/2008 (CLP), 1907/2006 (REACH), 648/2004 and 830/2015

Internal code: T056-M

Review nr. 03 del

b) Skin protection:

i) Hand protection: Chemical protective gloves be needed when handling this material (compliant with standards EN 420:2003+A1:2009)

ii) Other protection: normal working clothes (EN ISO 13688:2013).

c) Respiratory protection: not necessary for normal use.

d) Thermal hazards: none.

8.2.3. Environmental exposure controls

See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	White powder
Odor	Characteristic
Odor threshold	No data available
PH value	10,0 +/- 0,5 (20°C; solution 1%)
Auto-ignition temperature	No data available
Melting point/range	No data available
Freezing point	No data available
Viscosity	No data available
Density	700 +/- 50 g/l
Water solubility (at 20°C)	Miscible
Explosive properties	Not explosive
Oxidizing properties	No oxidising properties

10. STABILITY AND REACTIVITY

10.1. Reactivity.

Under normal conditions of use there are no particular risks of reaction with other substances.

10.2 Chemical stability.

Stable under normal conditions.

10.3 Possibility of hazardous reactions.

Under conditions of normal use and storage of hazardous reactions are not expected.

10.4 Conditions to avoid.

None in particular. Follow the usual precautions against chemical products.

10.5 Incompatible materials.

Information not available.

10.6 Hazardous decompositions products.

In the event of fire may release gases and vapors which are dangerous to health.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects.

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

a) Acute toxicity

Not classified. Based on available data, the classification criteria are not met.

b) Skin corrosion/irritation

No relevant data found.



SAFETY DATA SHEET

In compliance with Regulations 1272/2008 (CLP), 1907/2006 (REACH), 648/2004 and 830/2015

Internal code: T056-M

Review nr. 03 del

c) **Serious eye damage/eye irritation**

No relevant data found.

d) **Sensitization**

For skin sensitization:

No relevant data found.

For respiratory sensitization:

No relevant data found.

e) **Mutagenicity**

No relevant data found.

f) **Carcinogenicity**

No relevant data found.

g) **Reproductive toxicity**

No relevant data found.

h) **Specific Target Organ Systemic Toxicity (Single Exposure)**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

i) **Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Additives are encapsulated in the product and are not expected to be released under normal processing conditions or foreseeable emergency.

j) **Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

Toxicological information on main components of the mixture:

Zeolite CAS 1318-02-1

Symptoms and effects

Skin contact: Contact with skin causes irritation.

Eye contact: Contact with the eyes can cause irritation.

Inhalation: Breathing the dust can cause respiratory irritation.

Acute toxicity

LC50 / inhal. / 4h (dust / aerosols):> 18.3 mg / l (rat)

LD50 / dermal> 2000 mg / kg (rabbit)

LD50 / oral 10000 mg / kg (rat)

12. ECOLOGICAL INFORMATION

Use according to good working practices, avoiding dispersion in the environment (see also sections 6, 7, 13, 14 and 15). Inform the relevant authorities if the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity components.

Zeolite CAS 1318-02-1 (Source: IUCLID)

Routes of exposure		
Oral	Dermal	Inhalation
LD50/dog: 1000 – 31600 mg/kg LD50/rat: 5000 – 31600 mg/kg	LD50/rabbit: 2000-2000 mg/kg	LC50/rat/1h: 2 – 18,3 mg/l LC50/rat/1h: 2,4 – 18,3 mg/l

12.2. Persistence and degradability.

Not available.

12.3. Bioaccumulative potential.

Not available.

12.4. Mobility in soil.

Not available.

12.5. Results of PBT and vPvB assessment.

The components of the mixture does not meet the criteria vPvB and PBT.

12.6. Other adverse effects.



SAFETY DATA SHEET

In compliance with Regulations 1272/2008 (CLP), 1907/2006 (REACH), 648/2004 and 830/2015

Internal code: T056-M

Review nr. 03 del

None.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal of the product:

The elimination of the product shall be in accordance with local and national regulations.

Disposal of uncleaned packages:

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

14. TRANSPORT INFORMATION

14.1 UN Number

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

N.A.

14.3 Transport hazard class(es)

N.A.

14.4 Packing Group

N.A.

14.5 Environmental hazards

N.A.

14.6 Special Precautions for User

N.A.

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

N.A.

15. REGULATORY INFORMATION

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

Seveso Category: None

Restrictions concerning the product or to substances according to Annex XVII Regulation (EC) 1907/2006: none

Candidate List substances (Article 59 REACH): none

Substances subject to authorization (Annex XIV REACH): none

LAW AND GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 of the European Parliament (REACH).
2. Regulation (EC) 1272/2008 of the European Parliament (CLP).
3. Regulation (EC) 830/2015 of the European Parliament.
4. The Merck Index 10th Ed.
5. Handling Chemical Safety.
6. NIOSH - Registry of Toxic Effects of Chemical Substances
7. INRS - Fiche Toxicologique
8. Patty - Industrial Hygiene and Toxicology
9. N.I. Sax - Dangerous properties of Industrial Materials - 7, 1989 Edition

Ingredients according to EC Regulation no. 648/2004:

> 30%: Zeolites;

T056-M

UT Europe S.r.l.

Page 6 of 7

Via Scarsellini, 119 - 10° piano 16149 Genoa Italy

www.uteurope.it P. IVA 01810400992



SAFETY DATA SHEET

In compliance with Regulations 1272/2008 (CLP), 1907/2006 (REACH), 648/2004 and 830/2015

Internal code: T056-M

Review nr. 03 del

Under 5%: Soap.

15.2 Chemical Safety Assessment.

No additional information available.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

Revision:

Nr. 03 - Issue date 06/07/2017 - Drafted in accordance with Regulation 2015/830.

Main bibliographic sources:

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

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.