



IBIX S.r.l.

DESALINATING PASTE

Revision no. 1
Revision date 09/05/2017
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Safety Data Sheet

SECTION 1. Identification of the substance or mixture and of the company/business.

1.1. Product Identifier.

Name. **DESAL - DESALINATING PASTE**

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

Description/Use **DESAL - DESALINATING PASTE**

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

Corporate Name. **IBIX S.r.l.**
Address. **Via La Viola, 2**
City and State. **48022 – S. Maria in Fabriago (RA)**
Italy
tel.: +39 0427-591711
fax: +39 0427-591724

e-mail address of the competent person

person in charge of the safety data sheet. info@ibix.it

Organization in charge of market release: **IBIX S.r.l.**

1.4. Emergency Tel. No.

For urgent information please contact **+39 0545-994589**

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

This product is classified as hazardous according to EC Regulation 1272/2008 (CLP) and subsequent amendments and corrections. It therefore requires a safety data sheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information on health and/or environmental risks is provided in sections 11 and 12 of this sheet.

Classification and indications of danger:

Specific target organ toxicity – repeated exposure, category H373
2

May cause damage to the organs through prolonged or repeated exposure.

2.2. Label elements.

Hazard labelling according to EC Regulation 1272/2008 (CLP) and subsequent amendments and corrections.

Hazard Pictogram(s):



Warning: Attention



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Hazard Statements:

H373 May cause damage to the organs through prolonged or repeated exposure.

Precautionary Statements:

P314 Get medical advice/attention if you feel unwell.

Contains: QUARTZ

Product not intended for uses under EC Directive 42/2004.

2.3. Other hazards.

Based on available information, the product does not contain PBT or vPvB substances in quantities above 0.1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Nonrelevant information.

3.2. Mixtures.

Contains:

Full text of hazard statements (H) in section 16 of this MSDS.

Identification.

Classification pursuant to 1272/2008 (CLP).

QUARTZ

CAS. 14808-60-7

20 < x < 50

STOT RE 2 H373

CE. 238-878-4

INDEX. -

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately and thoroughly with water for at least 15 minutes, opening the eyelids well. Consult a doctor if the problem persists.

SKIN: Immediately take off all contaminated garments. Wash immediately and thoroughly with water. If irritation persists, consult a specialist.

Wash contaminated clothing before re-using it.

INHALATION: Take the subject outside. Call a doctor immediately if breathing is difficult.

SWALLOWING: Consult a doctor immediately. Induce vomiting only upon medical advice. Do not administer anything by mouth if the subject is unconscious or if not authorized by the doctor.

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

See section 11 for symptoms and effects caused by the substances contained in product.

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

No relevant information available.



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SECTION 5. Fire fighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The extinguishing media are the traditional ones: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA

None in particular.

5.2. Special hazards arising from the substance or mixture.

DANGERS CONNECTED TO EXPOSURE IN CASE OF FIRE Avoid breathing in the combustion products.

5.3. Advice for firefighters.

GENERAL ADVICE

Cool the containers with water jets to prevent decomposition of the product and the creation of potentially dangerous substances. Always wear equipment complete with anti-fire protection. Collect the extinguishing water that must not be disposed of in drains. Dispose of the contaminated water used for the extinction and the fire residue according to the norms in force.

EQUIPMENT

Normal fire-fighting clothing, such as an open-circuit compressed air breathing apparatus (EN 137), fire-fighting suit (EN469), anti-fire gloves (EN 659) and firefighter boots (HO A29 or A30).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no danger.

Wear suitable protection equipment (including personal protective equipment as per section 8 of the safety sheet) to prevent contamination of the skin, eyes and personal clothing. These indications are valid for employees and for emergency interventions.

6.2. Environmental precautions.

Ensure that the product does not enter drains, surface water and water tables.

6.3. Methods and material for containment and cleaning up.

Aspirate the leaked product in a suitable container. Use an explosion protection device if the product is flammable. Evaluate the compatibility of the container with the product type, checking as per section 10. Absorb the remainder with inert absorbent material.

Ensure sufficient aeration of the site subject to leakage. The disposal of contaminated material must be executed according to the provisions under point 13.

6.4. References to other sections.

Find relevant information on personal protective equipment and disposal in sections 8 and 13.

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SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Handle the product after having consulted all the other sections of this safety sheet. Avoid product dispersion in the environment. Do not eat, drink or smoke during work. Remove the contaminated clothing and protection devices before entering the eating area.

7.2. Safe storage conditions, including possible incompatibilities.

Only store in the original container. Store the containers closed, in a well-ventilated site that is away from direct sunlight. Store the containers away from incompatible material, as per section 10.

7.3. Specific end uses.

No relevant information available.

SECTION 8. Exposure controls/ personal protection.

8.1. Control parameters.

Reference standards:

CZE	Česká Republika	Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
	TLV-ACGIH	ACGIH 2016

QUARTZ

Threshold limit value.

Kind	State	TWA/8 h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV	CZE	0.1			
MAK	DEU	0.15			
VLA	ESP	0.05			
VLEP	FRA	0.1		RESPIR.	
WEL	GBR	0.3			
OEL	NLD	0.075		RESPIR.	
NDS	POL	2		INHALAB.	
NDS	POL	0.3		RESPIR.	
TLV-ACGIH		0.025			

Legend:

(C) = CEILING; INHALAB = Inhalable Fraction; RESPIR = Respirable Fraction; THORAC = Thoracic fraction.



8.2. Exposure controls.

Considering that the use of suitable technical measures should always have priority over the provision of personal protection equipment, ensure good ventilation in the working site through effective local aspiration. The personal protection equipment must bear the CE label that attests conformity to the norms in force.

You must ensure that exposure levels are as low as possible to avoid significant accumulation in the body. Manage the personal protection equipment in such a way as to ensure maximum protection (e.g. reduction of replacement times).

HAND PROTECTION

Protect hands with category III working gloves (ref. EN Norm 374).

In selecting the material for working gloves you must consider: compatibility, degradation, breakage and permeation time.

In the case of formulations, the resistance of the working gloves to chemical agents must be verified before use as this is not foreseeable. The gloves will remain intact depending on duration and modes of use.

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use belonging to category II (ref. EEC Directive 89/686 and EN ISO Norm 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

We recommend wearing hermetic protective glasses (ref. EN norm 166).

RESPIRATORY PROTECTION

If the threshold value of the substance or one or more of the substances in the product is exceeded (e.g. TLV-TWA), you should wear a mask with a type B filter whose class (1, 2 or 3) must be selected relative to the concentration limit for use. (ref. EN norm 14387). Combined type filters must be provided if there are gases or vapours of different types and/or gases or vapours with particles (aerosol, smoke, mist, etc.).

The use of protection for the respiratory system is required in case the technical measures used are not sufficient to limit the worker's exposure to the considered threshold values. However, the protection offered by the masks is limited.

If the substance in question is odourless or its olfactory threshold is above the relative TLV-TWA and in case of emergency, you should wear an open-circuit compressed air breathing apparatus (ref. EN norm 137) or a fresh air hose breathing apparatus (ref. EN norm 138). Refer to EN norm 529 for the correct choice of airway protection equipment.

ENVIRONMENT EXPOSURE CONTROLS.

The emissions of production processes, including those created by ventilation equipment should be controlled pursuant to environmental protection legislation.

SECTION 9. Physical and chemical properties.

9.1. Information on the main physical and chemical properties.

Physical state	powder
Colour	characteristic
Odour	characteristic
Olfactory threshold.	Not available.
pH.	Not available.
Melting point/freezing point.	Not available.
Initial boiling point.	Not applicable.
Boiling Range.	Not applicable.
Flash point.	Not applicable.
Evaporation rate	Not applicable.
Inflammability of solids and gases	Not available.
Lower flash point.	Not available.
Upper flash point.	Not available.
Lower explosion limit.	Not available.
Upper explosion limit.	Not available.
Vapour pressure.	Not available.
Steam density	Not applicable.
Relative density.	0.96
Solubility	Not available.
N-octanol/water partition coefficient:	Not available.
Autoignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.



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9.2. Other information.

VOC (Directive 2010/75/EC): 0
VOC (volatile carbon): 0

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular dangers of reaction with other substances under normal usage conditions.

10.2. Chemical stability.

Stable under normal use and storage conditions.

10.3. Possibility of hazardous reactions.

There are no predictable dangerous reactions under normal use and storage conditions.

10.4. Conditions to avoid.

None in particular. You should nevertheless observe standard cautions with respect to chemical products.

10.5. Incompatible materials.

No relevant information available.

10.6. Hazardous decomposition products.

No relevant information available.

SECTION 11. Toxicological information.

In the absence of toxicological experimental data about the product itself, potential health risks are evaluated based on the contained substances, according to the criteria defined by the classification reference norm.

Therefore consider the concentration of the individual dangerous substances cited in section 3 to evaluate the toxicological effects connected with exposure to the product.

11.1. Information on toxicological effects.

ACUTE TOXICITY.

LC50 (Inhalation - vapours) of the mixture: Non-classified (no relevant component).

LC50 (Inhalation - mist/dust) of the mixture: Non-classified (no relevant component).

LD50 (Oral) of the mixture: Non-classified (no relevant component).

LD50 (Cutaneous) of the mixture: Non-classified (no relevant component).

CUTANEOUS CORROSION / CUTANEOUS IRRITATION.

Does not meet the classification criteria for this class of danger.

SERIOUS EYE DAMAGE / EYE IRRITATION.

Does not meet the classification criteria for this class of danger.

RESPIRATORY OR DERMAL SENSITISATION.

Does not meet the classification criteria for this class of danger.

MUTAGENICITY OF THE GERMINAL CELLS.

Does not meet the classification criteria for this class of danger.

CARCINOGENICITY.

Does not meet the classification criteria for this class of danger.

REPRODUCTIVE TOXICITY.

Does not meet the classification criteria for this class of danger.

SPECIFIC TOXICITY FOR THE TARGET ORGANS (STOT) - SINGLE EXPOSURE.

Does not meet the classification criteria for this class of danger.

SPECIFIC TOXICITY FOR THE TARGET ORGANS (STOT) - REPEATED EXPOSURE.

Can cause organ damage.

ASPIRATION HAZARD.

Does not meet the classification criteria for this class of danger.



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SECTION 12. Ecological information.

Use adopting safe work procedures and avoiding dispersal of the product into the environment. Advise the relevant authorities if the product has arrived at water courses or contaminated the earth or vegetation.

12.1. Toxicity.

No relevant information available.

12.2. Persistence and degradability.

No relevant information available.

12.3. Bioaccumulative potential.

No relevant information available.

12.4. Mobility in soil.

No relevant information available.

12.5. Results of PBT and vPvB assessment.

Based on available information, the product does not contain PBT or vPvB substances in quantities above 0.1%.

12.6. Other adverse effects.

No relevant information available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Recover if possible. The product residues "as is" can be considered special and non-dangerous waste. Disposal must be entrusted to an authorized waste-disposal company, in conformity with national and local regulations.

CONTAMINATED PACKAGING

The contaminated packaging must be sent for recovery or disposal in conformity with national waste disposal regulations.

SECTION 14. Transport information.

The product is not considered dangerous pursuant to the provisions for the transport of hazardous material on the road (A.D.R.), railway (RID), sea (IMDG Code) or air (IATA).

14.1. UN Number.

Not applicable.

14.2. UN shipping name.

Not applicable.

14.3. Types of hazard related to transport.

Not applicable.

14.4. Packing group.

Not applicable.

14.5. Environmental hazards.


Not applicable.

14.6. Special precautions for user.

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code.

Nonrelevant information.

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SECTION 15. Information on the Regulation.

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

Seveso category - Directive 2012/18/EC:

Restrictions relative to the product or to substances contained therein pursuant to Appendix XVII EC Regulation 1907/2006.

Product.
Point. 3

Substances in candidate list (art. 59 REACH).

Based on the available data, the product does not contain SVHC substances in quantities above 0.1%. Substances subject to authorisation obligations (Annex XIV REACH).

None.

Substances subject to compulsory notification for export EC 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Health surveillance.

Employees exposed to this chemical agent that is dangerous to health must be subjected to sanitary surveillance according to the regulations of Art. 41 of Legislative Decree 81 of 9 April 2008 with the exception of cases in which the risk to the employee's health and safety is considered insignificant pursuant to paragraph 2 of Art. 224.

15.2. Chemical Safety Assessment.

There is no chemical safety assessment for this mixture or its constituent substances.

SECTION 16. Other information.

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

STOT RE 2 Specific target organ toxicity – repeated exposure, category 2
H373 May cause damage to the organs through prolonged or repeated exposure.

LEGEND:

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS NUMBER: Chemical Abstract Service number
- CE50: Concentration that causes an effect in 50% of the population subject to test
- CE NUMBER: ESIS (European Archive of Existing Substances) Identification Number
- CLP: EC Regulation 1272/2008
- DNEL: Derived no-effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- IATA DGR: Regulation for the transport of hazardous materials of the International Association of Air Transport
- IC50: Immobilization concentration of 50% of the population subjected to test
- IMDG: International Maritime Dangerous Goods Code
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number of Annex VI of CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure limit
- PBT: Persistent, bioaccumulative and toxic as defined in REACH
- PEC: Predicted environmental concentration
- PEL: Predicted exposition level
- PNEC: Predicted no-effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by railway
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded at any time during working exposure.
- TWA STEL: Short term exposure limit
- TWA: Time weighted average
- VOC: Volatile Organic Compounds
- vPvB: very Persistent and very Bioaccumulative, as defined in REACH
- WGK: Aquatic hazard class (Germany).



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GENERAL REFERENCES:

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI 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
- ECHA website Note for user:

The information contained in this sheet is based on available knowledge as per the latest version. The user must ensure that the information relevant to the specific product use is suitable and complete.

This document must not be interpreted as a guarantee of any specific product property.

As the product use does not fall under our direct control, the user must be responsible for observing the hygiene and safety laws and regulations in force. We do not accept any responsibility for improper use.

Provide suitable training to personnel on the use of chemical products.