



DeSalin™ T

1. Identification Of The Substance And Of The Company

Trade Name:	DeSalin™ T
Application:	Marble/Granites Surfaces Cleaner for Absorbed Organic Stains
Company:	NanoPhos SA PO Box 519, Science & Technology Park of Lavrio, Lavrio 19500, Attica, Greece www.NanoPhos.com
Service:	+30 22920 69312 +30 22920 69303 (facsimile)
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2. Composition and Information On Ingredients

Chemical Characterization: Clear Solution of hydrogen peroxide in a slightly alcalic medium.

Dangerous Ingredients:

Name	CAS Number	EINECS Number	Concentration	Classification
Hydrogen Peroxide	7722-84-1	231-765-0	<=30% w/v	C, R35; Xn, R20/22; O, R8

3. Hazards Identification

Classification: Xn Harmful.



Principal Hazards for the product as supplied are:

R22 EN: Harmful if swallowed. IT: Nocivo per ingestione.

R41 EN: Risk of serious damage to eyes. IT: Rischio di gravi lesioni oculari.

4. First Aid Measures

On contact with eyes: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Assure adequate rinsing below the eye lids, by slightly elevating eye

lids with the help of the fingertips. Seek immediately for medical advice.

On contact with skin:

Wash immediately with plenty of water. Remove contaminated clothing.

If inhaled:

Remove to fresh air and keep at rest. In case of respiratory problems, seek medical advice.

If ingested:

Drink plenty of water. Do not induce vomit. Seek immediately for medical advice.

5. Fire-Fighting Measures

Suitable extinguishing media:

Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool fire exposed containers.

Unsuitable extinguishing media:

None known.

Hazards during fire fighting:

Oxygen released due to the exothermic decomposition of hydrogen peroxide may promote combustion. Oxidative mixture that may help fuel ignition.

Special protective equipment or/and procedures:

A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after the fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.

Hazardous Combustion Products:

None known.

6. Accidental Release Measures

Personal precautions:

Wear proper protective equipment.

Precautions to protect the environment:

Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

Methods for cleaning up:

Determine the need to evacuate or isolate the area according to your local emergency plan. Very large spills should be contained by banding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid.

7. Handling and Appropriate Storage

Advice on safe handling:

Avoid skin and eye contact. Do not breathe spray or mist. General and local ventilation are recommended. Use appropriate ventilation equipment at a spraying source. Keep away from heating sources.

Advice on storage:

It is stored in dry and cool place. Do not store together with strong bases or strong oxidizing media or organic material. Keep away from heating sources.

Unsuitable packaging materials:

Metal Canisters.

8. Exposure Controls and Personal Protection

Engineering Controls:

Ventilation, refer to section 7 (Handling and Appropriate Storage)

Exposure Controls to Hazardous Components:

TLV (ACGIH-USA) 2001

TWA = 1ppm

TWA = 1,4 mg/m³

Personal Protection Equipment:

Respiratory Protection:

Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be

approached or exceeded. A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities.

Hand Protection:	Chemical protective gloves should be worn.
Eye Protection:	Safety goggles should be worn.
Skin Protection:	Wear impervious overalls in circumstances where significant skin contact can occur.
Hygiene Measures:	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
Environmental Exposure Controls:	Refer to sections 6 (Accidental Release Measures) & 12 (Ecological Data).
Additional Recommendations:	These precautions are for room temperature handling. Do not use at elevated temperatures.

9. Physical and Chemical Properties

Physical Condition:	Liquid.
Colour:	Colorless to pale yellow.
Odour:	None.
pH:	8
Boiling Point:	108 °C
Flash Point:	> 100 °C (closed cup).
Auto-ignition Temperature:	> 100 °C
Explosion Danger:	Only in combination with flammable liquids or extreme heating.
Specific Gravity:	~1,1 g·cm ⁻³ at 25 °C
Viscosity:	~1,07 mPa.s
Oxidizing Properties:	None.

10. Stability and Chemical Reactivity

Stability:	Stable under normal conditions of use with slow gas release.
Conditions to avoid:	Heat/Sources of heat and Contamination
Materials to avoid:	Acids, Bases, Metals, Salts of metals, Reducing agents, Organic materials, Flammable substances.
Hazardous decomposition products:	Oxygen.

11. Toxicological Information

Acute Toxicity:	Oral route, LD 50, rat, 1.232 mg/kg Dermal route, LD 50, rabbit, > 2.000 mg/kg Inhalation, LC 50, 4 h, rat, 2.000 mg/m ³ Inhalation, LC 0, 1 h, mouse, 2.170 mg/m ³
Irritation:	Rabbit, irritant (skin) Mouse, Respiratory irritation (RD50), 665 mg/m ³
On contact with eyes:	Toxic effect linked with corrosive properties.
On contact with skin:	Toxic effect linked with corrosive properties.

If inhaled: Toxic effect linked with corrosive properties.

If ingested: Toxic effect linked with corrosive properties.

12. Ecological Information

Environmental fate and distribution: Readily water dilutable formulation, completely biodegradable.
Fishes, Pimephales promelas, LC 50, 96 h, 16,4 mg/l
Fishes, Pimephales promelas, NOEC, 96 h, 5 mg/l
Crustaceans, Daphnia pulex, EC 50, 48 h, 2,4 mg/l
Crustaceans, Daphnia pulex, NOEC, 48 h, 1 mg/l
Algae, various species, , EC 50, from 72 - 96 h, from 3,7 - 160 mg/l in fresh waters.
Algae, Nitzschia closterium, EC 50, from 72 - 96 h, 0,85 mg/l in sea waters.

Eco-toxicity effects: Toxic for aquatic organisms. Nevertheless, hazard for the environment is limited due to product properties: i) no bioaccumulation. ii) considerable abiotic and biotic degradability. iii) no toxicity of degradation products (H₂O and O₂).

Bio-accumulation: No bioaccumulation potential.

Effects on water treatment plants: No adverse effects are predicted.

Environmental fate and distribution: No adverse effects on bacteria are predicted.

13. Disposal Potential

Product Disposal: Dispose in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Packaging Disposal: Packaging can be recycled. Dispose in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. Transportation Information

Road/Rail transportation (ADR/RID): subject to ADR/RID.

Sea Transportation (IMDG): subject to IMDG.

Air Transportation (IATA): No subject to IATA.

15. Regulatory Information

EEC Labeling

Classification: Xn Harmful.

R-Phrases:

R22

EN: Harmful if swallowed.

IT: Nocivo per ingestione.

R41

EN: Risk of serious damage to eyes.

IT: Rischio di gravi lesioni oculari.

S-Phrases:

S1/2

EN: Keep locked up and out of the reach of children.

IT: Conservare sotto chiave e fuori della portata dei bambini.

S26

EN: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

IT: In caso di contatto con gli occhi, lavare immediatamente e abbondantemente con acqua e consultare un medico.

S36/37

EN: Wear suitable protective clothing and gloves.

IT: Usare indumenti protettivi e guanti adatti.

S39

EN: Wear eye/face protection.

IT: Proteggersi gli occhi/la faccia.

National Regulations

Ozone depleting chemicals:

The product does not contain ozone depleting chemicals. No ozone depleting chemicals were used during the production phase of this product.

16. Relevant Information

This product safety data sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations. It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS. NanoPhos SA shall not be held responsible for any defect in the product covered by this MSDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge. As stated above, this MSDS has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local NanoPhos SA supplier a MSDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the MSDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to NanoPhos SA.

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