

material safety datasheet

NSDS DeCoat Liquid [page 1 of 6]

[Updated: February 2014]

Section 1: Chemical Product and Company Identification**Product Name:** NSDS DECOAT LIQUID**Contact Information:**

NSDS CAPE

4 – 7th Street

Montague Gardens, Cape Town, 7441

Sales: +27 21 551 3300

email: infocpt@nsds.co.za

Section 2: Hazards Identification**Hazard designation:**

O Oxidizing

C Corrosive

Information pertaining to special dangers for human and environment:

8 Contact with combustible material may cause fire.

34 Causes burns.

Section 3: Composition/ Information on ingredients**Description:**

Mixture of components, as listed below, with nonhazardous constituents Hazardous.

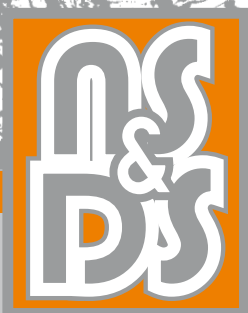
Ingredients:

EC No: CAS No:	Identification of the hazard: R phrases:	Labelling (67/548/EEC or 1999/45/EC)	% by weight
232-197-6 7790-28-5	sodium periodate 8-22	Xn,O	12,5 - 20
233-937-0 10450-60-9	periodic acid 8-34	C,O	2,5 - 5
231-639-5 7664-93-9	sulphuric acid 35 on see section 16.	C	2,5 - 5

[continued on page 2]

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Keep away from heat and open flame. Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid prolonged breathing of vapour or spray mist. Keep container closed when not in use.

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Section 4: First Aid Measures**General information:**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice. In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

In case of eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

After ingestion:

Consult physician immediately.

Do not induce vomiting.

Section 5: Firefighting Measures**Suitable extinguishing media:**

Carbon dioxide (CO₂). Water mist Foam.

Extinguishing media which must not be used for safety reasons:

Strong water jet.

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

Gases/vapours, toxic. Iodine. Heating causes rise in pressure with risk of bursting.

Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

Additional information:

The danger areas must be delimited and identified using relevant warning and safety signs. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

Section 6: Accidental Release Measures**Personal precautions:**

Keep away from sources of ignition. Ventilate affected area. Remove persons to safety. Do not breathe vapours.

See protective measures under point 7 and 8.

Environmental measures:

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations. Provide good ventilation.

Methods for cleaning up:

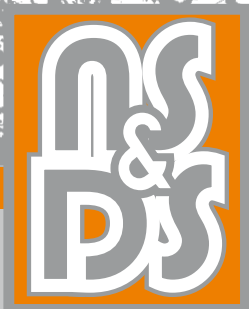
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

[continued on page 3]

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Section 7: Handling and Storage**Handling:****Advices on safe handling**

Only use the material in places where open light, fire and other flammable sources can be kept away.

Avoid contact with skin and eyes. Do not inhale vapours or mist.

Do not mix with other chemicals. Spontaneous ignition possible through autoxidation of cloths soaked in the product.

Do not eat, drink or smoke when using this product.

Personal protection equipment: refer to chapter 8. Follow the legal protection and safety regulations.

Storage:**Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storerooms and containers:

Always keep in containers that correspond to the material of the original container. Ensure adequate ventilation of the storage area.

Hints on joint storage:

Spontaneous ignition possible through autoxidation of cloths soaked in the product. Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further remarks:

VCI-storage class, see Chapter 15.

Section 8: Exposure Controls/Personal Protection

Provide good ventilation. This can be achieved with local or room suction. Do not breathe vapour or spray.

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

EC No: CAS No:	Description		
231-639-5 7664-93-9	sulphuric acid	MAK	0,1 mg/m ³

Personal protection equipment:**Respiratory protection:**

When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used.

Hand protection:

Chemical resistant protective gloves: DIN EN 374

Recommendation for contact by spatter: Protection Index 2

Permeation time >30 min., e.g. butyl rubber 0,4 mm

Recommendation for direct contact: Protection Index 6

Permeation time >480 min., e.g. nitrile rubber 0,4 mm

Eye protection:

Tightly sealed safety glasses. DIN EN 166

Body protection:

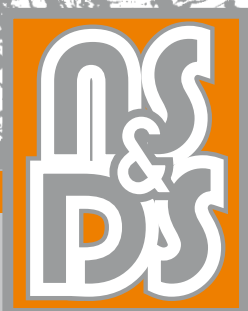
Protective clothing: acid-resistant.

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Protective measures:

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

Environmental exposure controls:

Avoid release to the environment.

Section 9: Physical and Chemical Properties**Appearance:****Physical state:** Liquid**Colour:** Colourless**Odour:** Odourless

Safety relevant basis data	Method / Remark
Flash Point:	n.a. °C DIN 53213
Density:	1,23 g/cm ³ (20°C)
Boiling temperature / boiling range:	100 °C (101,3 kPa)
Water solubility (g/l):	very soluble
pH:	2,00 (20°C)
Viscosity:	n.a.

Section 10: Stability and Reactivity Data**Conditions to avoid:**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

Materials to avoid:

Flammable substances, reducing agents, organic compounds.

Section 11: Toxicological Information**Practical experience Other observations:**

Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc.. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

Section 12: Ecological Information**Overall evaluation:**

Do not allow to enter into surface water or drains. Do not store at public landfills.

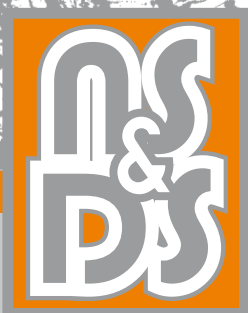
Results of PBT assessment:

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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Section 13: Disposal Considerations**Appropriate disposal / Product Recommendation:****Control report for waste code/ waste marking according to EAKV:**

160507 discarded inorganic chemicals consisting of or containing dangerous substances

Contaminated packaging:

Recommendation: Cleaned containers may be recycled. Vessels not properly emptied are special waste.

Section 14: Transport Information

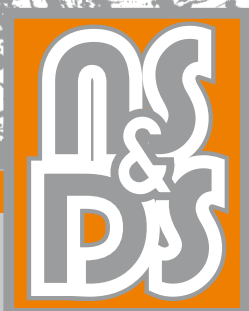
Transport according to ADR/RID, IMDG and ICAO/IATA.

Land transport (ADR/RID)**Class:** 5.1**Hazard label:** 5.1 (8)**UN-No.:** 309**Proper Shipping Name:** OXIDIZING LIQUID, CORROSIVE, N.O.S.**Contains:** Periodic acid**Packing Group:** II**Tunnel restriction code:** —**Sea transport (IMDG)****Class:** 5.1**Hazard label:** 5.1 (8)**IMDG-CODE-Class:** F-A, S-Q**UN-No.:** 3098**Proper Shipping Name:** OXIDIZING LIQUID, CORROSIVE, N.O.S.**Contains:** Periodic acid**Packing Group:** II**Marine pollutant:** n.a.**Air transport (ICAO-TI / IATA-DGR)****Class:** 5.1**Hazard label:** 5.1 (8)**UN-No.:** 3098**Proper Shipping Name:** OXIDIZING LIQUID, CORROSIVE, N.O.S.**Contains:** Periodic acid**Packing Group:** II

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Section 15: Regulatory Information**Observe in addition any national regulations!**

Informations on working limitations: Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water Hazard Class: 2 – pollutant calculated with mixing rule
Storage Class: 5.1 B(VCI-concept for storage of chemicals in one common storage facility)
Class: I: 0 % II: 0 % III: 0 %
VbF Classification: n.a.

Labelling (67/548/EEC or 1999/45/EC)**Hazard symbol(s) and hazard identifier(s) for dangerous materials and preparations:**

- O Oxidizing
C Corrosive

Contains: Periodic acid**R phrases:**

- 8 Contact with combustible material may cause fire.
34 Causes burns.

Safety Precautions:

- 7 Keep container tightly closed.
17 Keep away from combustible material.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Special provisions concerning the labelling of certain mixtures: n.a.**Other regulations (EU):**

Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA) Section

16: Other Information

Wording of the r-phrases under paragraph 3:

- 35 Causes severe burns.
8 Contact with combustible material may cause fire.
34 Causes burns.
22 Harmful if swallowed.

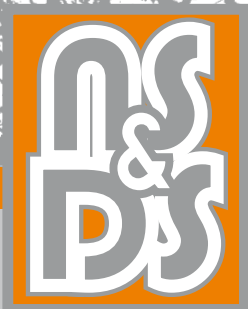
Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

[end]

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