

SAFETY DATA SHEET

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Revised edition no : 4

Date : 18 / 6 / 2010

Supersedes : 15 / 12 / 2008

DETAL HP

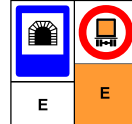
630-47(DE)



C : Corrosive



8 : Corrosive substance.



E : Passage forbidden through tunnels of category E.



Health : 3	WARNING : Corrosive or toxic. Avoid skin contact or inhalation.
Flammability : 0	Not combustible.
Reactivity : 0	Stable : Not reactive when mixed with water.
Special Notice Key : --	---

1. Identification of the substance/mixture and of the company/undertaking

Identification of the product	: Acidic liquid mixture.
Trade name	: DETAL HP
Use	: Industrial. Further information: refer to Technical Data Sheet.
Company identification	: SOPURA Rue de Trazegnies, 199 6180 COURCELLES BELGIUM Tel: +32 71 46 80 10 (8h00- 17h00) E-Mail : sales@sopura.com
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- Official advisory body	: .

2. Hazards identification

Hazards identification	: Causes severe skin burns and eye damage.
Primary route of exposure	: Inhalation. Eyes. Skin.
Symptoms relating to use	
- Inhalation	: Severe inhalation hazard. Sore throat. This material or its emissions may aggravate pulmonary/bronchial disease and/or cause breathing difficulty.
- Skin contact	: Redness, pain. Causes severe burns.
- Eye contact	: Redness, pain. Blurred vision. Risk of serious damage to eyes.
- Ingestion	: Severe ingestion hazard. Sore throat. Ingestion may cause nausea, vomiting and diarrhea.

SOPURA

In case of emergency : +32 70245245 (Centre antipoison) Security Adviser D.CAPOUILLEZ +32 477408176

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3. Composition/information on ingredients

This product is considered to be hazardous and contains hazardous components. See the significance of the sentences R in chapter 16.

Composition : The classification was carried out for tested properties according to the substance directive (67/548/EWG), annex VI, otherwise according to the calculation procedure described in the preparation directive (1999/45/EG).

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Nitric acid.	: ± 45 %	7697-37-2	231-714-2	007-004-00-1	----	O; R8 C; R35 ----- Ox. Liq. 1 (H271) Skin Corr. 1A+ (H314) Eye Dam 1 (H318)
TLV© -TWA [mg/m ³] : 5.3 MB 14/03/2002 - AR 11/03/2002 TLV© -STEL [mg/m ³] : 10 MB 14/03/2002 - AR 11/03/2002 Project reducing to 2.6 TLV-STEL [ppm] : 1 CE Directive Guinea-pig inhalation LC50 [mg/kg] : 67						
Phosphoric acid.	: ± 3.6 %	7664-38-2	231-633-2	015-011-00-6	----	C; R34 ----- Skin Corr. 1B (H314)
TLV© -TWA [mg/m ³] : 1 TLV© -STEL [mg/m ³] : 3 MAC [mg/m ³] : BG-Merkblatt M 004 Reizende Stoffe/Atzende Stoffe" MAC [mg/m ³] : MAK mg/m ³ : 1 (Tagesmittelwert DE 2001) Rat oral LD50 [mg/kg] : 1530 Rabbit dermal LD50 [mg/kg] : 2740 Toxicity on fish (mg/l) : 138 WGK class (Germany) : 1						

4. First aid measures

- Inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow the affected person to rest. Take to hospital. Risk of lungs oedema.
- Skin contact : Remove contaminated clothing and shoes. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Obtain medical attention.
- Eye contact : Rinse immediately with plenty of water during 15 minutes. (Keep a bottle of water at hand). Seek medical attention immediately.
- Ingestion : DO NOT INDUCE VOMITING because of corrosive effects.
Rinse mouth.
Seek medical advice.

5. Fire-fighting measures

- Flammable class : Not combustible.
- Extinguishing media : All extinguishing media can be used.
- Not to be used : None known.
- Specific hazards : May release heat and harmful fumes.
- Protection against fire : Wear proper protective equipment.
- Special procedures : Exercise caution when fighting any chemical fire.

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6. Accidental release measures

- Personal precautions** : Spill should be handled by trained cleaning personnel properly equipped with eye protection.
- Environmental precautions** : Prevent entry to sewers and public, underground and potable waters. Hold the soiled water / water of extinction of fire.
- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material (earth, sand, ...) to collect the spill. Use suitable disposal containers. Notify authorities if liquid enters sewers or public waters.

7. Handling and storage

- Precautions in handling and storage** : Avoid all unnecessary exposure.
- Storage**



- : Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended. Always close containers tightly after the removal of product. Keep only in the original container. Store on a clean area allowing recuperation of leaks and effusion.

- Storage - away from**
- Handling**

- : Strong bases. chlorinated products.
- : Handle in accordance with good industrial hygiene and safety procedures.



- : Where contact with eyes or skin is likely, wear suitable protection.

8. Exposure controls/personal protection

- Personal protection** : All the protection equipments must be PPE, CE agreed.
- Respiratory protection** : If exposure can exceed the standard, use only approved supplied air respirator operated in a positive pressure mode.
- Skin protection** : Use neoprene or rubber gloves (EN 374). Taking into account the diversity of the types, it is necessary to respect the instructions of the manufacturers. Wear suitable protective clothing. resistant to acids.
- Eye protection** : Chemical goggles or face shield with safety glasses.
- Industrial hygiene** : Local exhaust and general ventilation must be adequate to meet exposure standards. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Occupational Exposure Limits**
- Phosphoric acid.** : TLV^o -TWA [mg/m³] : 1
: TLV^o -STEL [mg/m³] : 3

9. Physical and chemical properties

- **Physical state at 20 °C** : liquid
- **Colour** : Colourless to light yellow
- pH value (concentrated product)** : < 1
- pH 10 g/l** : ca 2.1
- Freezing point [°C]** : < -60
- Density [kg/m³]** : >= 1.295 <= 1.325
- Solubility in water [% weight]** : complete miscible

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9. Physical and chemical properties (continued)

Flash point [°C] : not applicable

10. Stability and reactivity

Hazardous reactions : Reacts violently with : chlorinated products. chlorine. Halogenated compounds. Bromacetic acid solution.

Materials to avoid: : Metals.

11. Toxicological information

On product

Rat oral LD50 [mg/kg] : Contains : Nitric acid. Very dangerous by ingestion.
> 2000 Calculation method.

On ingredients : See Heading : Information on ingredients.

12. Ecological information

On product : P : ca 1.20 %
N : ca 10.87 %

On ingredients : See Heading : Information on ingredients.

13. Disposal considerations

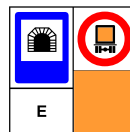
Disposal : Dispose of this material and its container at hazardous or special waste collection point.
Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

General information

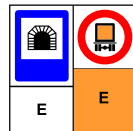
- UN No. : 2031

- Labelling



Land transport

ADR/RID : E : Passage forbidden through tunnels of category E.



- H.I. nr : 80

- Proper shipping name : NITRIC ACID

- ADR Class : 8

- Packing group : II

Sea transport

- Packing group : II

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14. Transport information (continued)

- IMDG-Marine pollution : None.
- EMS-Nr : 8-03 F-A S-B
- Air transport**
- ICAO/IATA : Packaging instructions cargo : 813
Packaging instructions passenger: 807

15. Regulatory information

- EC Labelling
- Symbol(s)



: Corrosive.

Directive 2006/121/EC of the European Parliament and of the Council of 18 December 2006.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006.

- R Phrase(s) : R35 : Causes severe burns.
- EC Classification : C; R35
- S Phrase(s) : .
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 : After contact with skin, wash immediately with water.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

16. Other information

- Recommended uses and restrictions : Further information: refer to Technical Data Sheet.
- Sources of key data used : <http://kan.de> - <http://www.umweltbundesamt.de> - <http://kemi.se> - <http://toxnet.nlm.nih.gov> - <http://www.inrs.fr> - <http://www.iarc.fr> - <http://www.nihs.go.jp> - <http://chemweb.com> - <http://www.cas.org> - <http://www.europa.eu.int> - <http://ecb.jrc.it> - <http://europa.eu> - <http://www.enichem.org> - <http://just.fgov.be> - <http://www.vrom.nl/milieuhanboek> - <http://mobilit.fgov.be>
- List of relevant R phrases (heading 3) : R8 : Contact with combustible material may cause fire.
R34 : Causes burns.
R35 : Causes severe burns.
- List of relevant H phrases (heading 3) : H271 - May cause fire or explosion; strong oxidiser.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
- Further information : Revision : see *

The contents and format of this SDS are in accordance with European Regulation 1907/2006/EC.

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