neodisher IP Spray

SECTION 1: Identification of the substance/mixture and of the company/undertaking

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

Use of the substance/preparation
Metal surface treatment products, including galvanic and electroplating products

1.3. Details of the supplier of the safety data sheet

Address:
Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
D-20539 Hamburg
Telephone no. +49 40 789 60 0
Fax no. +49 40 789 60 120
www.drweigert.com

E-mail address of person responsible for this SDS:
sida@drweigert.de

1.4. Emergency telephone number
GBK/Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)
Aerosol 1 H222
STOT SE 3 H336
Aquatic Chronic 3 H412

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC
Classification F+, R12
R67
R52/53

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

Danger

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
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Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122° F. Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

- Extremely flammable
- Irritant

R phrases

- 12 Extremely flammable.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

S phrases

- 60 This material and its container must be disposed of as hazardous waste.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

- Fatty alcohols, ethoxylated
  - CAS No. 68920-66-1
  - EINECS no. 500-236-9
  - Concentration >= 1 < 10 %
  - Classification Xi, R38
  - Classification (Regulation (EC) No. 1272/2008) Skin Irrit. 2 H315

- Aliphatic hydrocarbons, C5-C6
  - EINECS no. 931-254-9
  - Registration no. 01-2119484651-34
  - Concentration >= 25 < 50 %
  - Classification F, R11
    - Xn, R65
    - R67
  - Classification (Regulation (EC) No. 1272/2008) Flam. Liq. 2 H225
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STOT SE 3 H336
Asp. Tox. 1 H304

Pentane
CAS No. 109-66-0
EINECS no. 203-692-4
Concentration >= 10 < 25 %
Classification Xn, R65
N, R51/53
F+, R12
R66
R67

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
Remove contaminated clothing immediately and dispose of safely. In case of persistent symptoms consult doctor.

After inhalation
Ensure supply of fresh air.

After skin contact
No special measures required.

After eye contact
Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.

After ingestion
No special measures required.

4.2. Most important symptoms and effects, both acute and delayed
Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed
Hints for the physician / hazards
In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Dry powder, Water spray jet, Foam

Non Suitable extinguishing media
Compatible with all usual extinguishing media.

5.2. Special hazards arising from the substance or mixture
In case of combustion evolution of dangerous gases possible.
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5.3. Advice for firefighters
   Special protective equipment for fire-fighting
   Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
   Keep away sources of ignition. Ensure adequate ventilation. Use personal protective clothing.

6.2. Environmental precautions
   Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up
   Pick up rest with suitable absorbent materials. Do not pick up with the help of saw-dust or other combustible substances. Dispose of as prescribed.

6.4. Reference to other sections
   Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
   Advice on safe handling
   Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid impact, friction and electro-static loading; risk of ignition!. Provide good room ventilation even at ground level (vapours are heavier than air).

   Advice on protection against fire and explosion
   Keep away from sources of heat and ignition. No smoking. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities
   Requirements for storage rooms and vessels
   No special measures required.

   Storage class according to TRGS 510
   Storage class according to 2B Aerosol dispensers
   TRGS 510

   Further information on storage conditions
   Keep container tightly closed. Keep container in a well-ventilated place. Keep in a cool place

7.3. Specific end use(s)
   no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
   Other information
   Contains no substances with occupational exposure limit values.

8.2. Exposure controls
   General protective and hygiene measures
   Do not smoke during work time. Do not inhale gases/vapours/aerosols. Do not eat or drink during work time. Storage of foodstuffs in work rooms is forbidden. Take off immediately all contaminated clothing.
Wash hands before breaks and after work.

**Respiratory protection**
If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

**Hand protection**
Not necessary.

**Eye protection**
Safety glasses with side protection shield

**Body protection**
Clothing as usual in the chemical industry.

### SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Aerosol</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>colourless</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>characteristic</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>pH value</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Freezing point</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Evaporation rate (ether = 1)</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>0.86 g/cm³</td>
</tr>
</tbody>
</table>

**Solubility in water**

Remarks: not determined

**Solubility(ies)**

Remarks: not determined

**Partition coefficient: n-octanol/water**

Remarks: not determined
neodisher IP Spray

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability
No hazardous reactions known.

10.3. Possibility of hazardous reactions
No hazardous reactions known.

10.4. Conditions to avoid
Protect from heat and direct sunlight. Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.5. Incompatible materials
Oxidising agents

10.6. Hazardous decomposition products
No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity
Remarks not determined

Acute dermal toxicity
Remarks not determined

Acute inhalational toxicity
Remarks not determined

Skin corrosion/irritation
Remarks not determined

Serious eye damage/irritation
Remarks not determined
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Sensitization
  Remarks  not determined

Subacute, subchronic, chronic toxicity
  Remarks  not determined

Mutagenicity
  Remarks  not determined

Reproductive toxicity
  Remarks  not determined

Carcinogenicity
  Remarks  not determined

Specific Target Organ Toxicity (STOT)
  Remarks  not determined

Other information
  No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity
  General information  not determined

12.2. Persistence and degradability
  General information  not determined

12.3. Bioaccumulative potential
  General information  not determined
  Partition coefficient: n-octanol/water  Remarks  not determined

12.4. Mobility in soil
  General information  not determined

12.5. Results of PBT and vPvB assessment
  General information  not determined

12.6. Other adverse effects
  General information  not determined
  General information / ecology  Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
  Disposal recommendations for the product
    Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be
Disposal recommendations for packaging
Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

SECTION 14: Transport information

Land transport ADR/RID
14.1. UN number
UN 1950
14.2. UN proper shipping name
AEROSOLS, flammable
14.3. Transport hazard class(es)
Class 2
Label 2.1
Limited Quantity 1 l
Transport category 2
Tunnel restriction code D

Marine transport IMDG/GGVSee
14.1. UN number
UN 1950
14.2. UN proper shipping name
AEROSOLS, flammable
14.3. Transport hazard class(es)
Class 2.1
14.5. Environmental hazards
no

Air transport ICAO/IATA
14.1. UN number
UN 1950
14.2. UN proper shipping name
AEROSOLS, flammable
14.3. Transport hazard class(es)
Class 2.1

SECTION 15: Regulatory information

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

Major-accident categories acc. 96/82/EC
Category 8 Extremely flammable 10.000 kg 50.000 kg

Water Hazard Class (Germany)
Water Hazard Class WGK 2
(Germany) Remarks Classification according to Annex 4 VwVwS

VOC
VOC (EU) 0 %

Other information
The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment
For this preparation a chemical safety assessment has not been carried out.
neodisher IP Spray

SECTION 16: Other information

R-phrases listed in Chapter 3

11 Highly flammable.
12 Extremely flammable.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

Hazard statements listed in Chapter 3

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Aquatic chronic 2 Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1 Aspiration hazard, Category 1
Flam. Liq. 2 Flammable liquid, Category 2
Skin Irrit. 2 Skin irritation, Category 2
STOT SE 3 Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.