

**IPS**

Revision date: 15.07.2015

Revision No: 1,21

Product code: 00379-0004

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

**1.1. Product identifier**

IPS

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

**Use of the substance/mixture**

Rust removal product and care spray for medical instruments

**Uses advised against**

There is no information available on applications that are not advised.

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

**Manufacturer**

Company name: Hu-Friedy Mfg. Co., LLC

Street: 3232 N. Rockwell St.

Place: Chicago, IL 60618

**Supplier**

Company name: Hu-Friedy Mfg. Co., LLC.

Zweigniederlassung Deutschland

Street: Kleines Öschle 8

Place: D-78532 Tuttlingen

Telephone: 00800 48 37 43 39

Telefax: 00800 48 37 43 40

e-mail: info@hu-friedy.eu

Internet: www.hu-friedy.eu

Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

**1.4. Emergency telephone**

**number:**

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)

In England and Wales: NHS Direct - 0845 4647, In Scotland: NHS 24 - 08454 24 24 24

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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture according to 1272/2008/EC**

Hazard categories:

Aspiration hazard: Asp. Tox. 1

Hazard Statements:

May be fatal if swallowed and enters airways.

**2.2. Label elements**

**Hazardous components which must be listed on the label**

Distillates (petroleum)

Naphtha (petroleum)

Signal word:

Danger

Pictograms:



**Hazard statements**

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

P273 Avoid release to the environment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Disposal in accordance with local regulations.

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**Special labelling of certain mixtures**

EUH066 Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards**

No data available.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

Preparation with hydrocarbons

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64742-47-8	Distillates (petroleum)			15 - 40 %
	265-149-8	649-422-00-2		
	Asp. Tox. 1; H304			
64741-65-7	Naphtha (petroleum)			15 - 40 %
	265-067-2			
	Asp. Tox. 1, Aquatic Chronic 4; H304 H413 EUH066			

Full text of H and EUH phrases: see section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Remove contaminated soaked clothing immediately. If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours. In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash off with soap and plenty of water. Treat subsequently with skin cream. Consult a doctor if skin irritation persists.

**After contact with eyes**

Rinse thoroughly with plenty of water, also under the eyelids. Seek medical treatment by eye specialist.

**After ingestion**

Do not induce vomiting. Summon a doctor immediately. Induce vomiting only upon the advice of a physician. Attention. Beware, danger of aspiration.

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

Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

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

Treat symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Foam, carbon dioxide (CO2), dry chemical, water-spray.

**Unsuitable extinguishing media**

Full water jet.

**5.2. Special hazards arising from the substance or mixture**

Fire may produce: Carbon monoxide and carbon dioxide

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**5.3. Advice for firefighters**

Use breathing apparatus with independent air supply. Protective suit.

**Additional information**

Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

In case of vapour formation use respirator. Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

**6.3. Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Shovel into suitable container for disposal.

**6.4. Reference to other sections**

Clean contaminated surface thoroughly.

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Keep container tightly closed. Vapours are heavier than air and spread along ground. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. Use only in well-ventilated areas.

**Advice on protection against fire and explosion**

Keep away from heat and sources of ignition. Do not smoke. Take precautionary measures against static discharges.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

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

**Advice on storage compatibility**

Incompatible with oxidizing agents.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**7.3. Specific end use(s)**

No data available.

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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.2. Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Treat subsequently with skin cream. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing. Do not breath vapours or spray mist.

**Eye/face protection**

Safety goggles with side protection (EN 166).

**Hand protection**

Protective gloves (EN 374) Recommended material [type, thickness, permeation time]: butyl rubber, 0,7 mm, protective index 6, corresponding to 480 minutes of permeation time according to EN 374. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

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**Skin protection**

Long sleeved clothing (EN 368).

**Respiratory protection**

No personal respiratory protective equipment normally required.

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

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**SECTION 9: Physical and chemical properties**

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

Physical state:	Liquid
Colour:	clear
Odour:	Hydrocarbon-like

**Changes in the physical state**

Flash point:	> 65 °C	
Lower explosion limits:	1 vol. %	
Upper explosion limits:	7 vol. %	
Ignition temperature:	n.d.	
Vapour pressure: (at 38 °C)	< 6,6 hPa	
Density (at 20 °C):	0,79 g/cm <sup>3</sup>	
Water solubility: (at 20 °C)	Negligible	
Flow time: (at 23 °C)	< 30 s	3 DIN/ISO 2431

**9.2. Other information**

No data available.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

No data available.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Vapour/air mixtures are explosive at intensive warming.

Heating can release vapours which can be ignited.

**10.5. Incompatible materials**

Oxidizing agents (strong).

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

**Further information**

No decomposition if stored and applied as directed.

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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

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**STOT-single exposure**

Based on available data, the classification criteria are not met.

**Severe effects after repeated or prolonged exposure**

Repeated exposure may cause skin dryness or cracking.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Practical experience**

**Other observations**

Contact with eyes may cause irritation. High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Effects of breathing high concentrations of vapour may include: Headache, dizziness, weakness, unconsciousness.

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**SECTION 12: Ecological information**

**12.1. Toxicity**

No data available.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

**Further information**

Do not flush into surface water or sanitary sewer system.

Low hazard to waters.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

**Waste disposal number of waste from residues/unused products**

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

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**SECTION 14: Transport information**

**Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN):**

**14.1. UN number:**

Not applicable. No hazardous material as defined by the transport regulations.

**14.2. UN proper shipping name:**

Not applicable. No hazardous material as defined by the transport regulations.

**14.3. Transport hazard class(es):**

Not applicable. No hazardous material as defined by the transport regulations.

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**14.4. Packing group:**

Not applicable. No hazardous material as defined by the transport regulations.

**14.5. Environmental hazards**

Not applicable. No hazardous material as defined by the transport regulations.

**14.6. Special precautions for user**

Not applicable. No hazardous material as defined by the transport regulations.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable. No hazardous material as defined by the transport regulations.

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**SECTION 15: Regulatory information**

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

**EU regulatory information**

2004/42/EC (VOC): < 75 %

**National regulatory information**

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

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**SECTION 16: Other information**

**Changes**

Changes in chapter: 1 - 16

**Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Relevant H- and EUH-phrases (Number and full text)**

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

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**Safety Data Sheet** according to Regulation (EC) No 1907/2006

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(n.a. = not applicable; n.d. = not determined)

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*