PRO PART
Professional Partners

SAFETY DATA SHEET

INDUSTRIAL HARDER

Compilation date: 14-06-2017

Revision No: 1

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

1.1. Product identifier

Product name: INDUSTRIAL HARDER

Product code: 5813-5814

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

Use of substance / mixture: Use in Coatings: Hardener

1.3. Details of the supplier of the safety data sheet

Company name: ProPart International B.V.
Molenakker 3
Reuver
5953 TW
The Netherlands
Tel: +31 (0) 77 476 2368
Fax: +31 (0) 77 476 2424
Email: info@propart-international.com

1.4. Emergency telephone number

Emergency tel: +31 (0) 77 476 2368 (08.30-17.00)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Acute Tox. 4: H332; STOT SE 3: H335; Skin Sens. 1: H317; Flam. Liq. 3: H226; -: EUH204

Most important adverse effects: Causes skin irritation. Flammable liquid and vapour. May cause an allergic skin reaction. Harmful if inhaled. May cause respiratory irritation. Contains isocyanates. May produce an allergic reaction.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.
H226: Flammable liquid and vapour.
H317: May cause an allergic skin reaction.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
EUH204: Contains isocyanates. May produce an allergic reaction.

Hazard pictograms: GHS07: Exclamation mark
GHS02: Flame

[cont...]

Signal words: Warning

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P312: Call a POISON CENTER/doctor if you feel unwell.

P363: Wash contaminated clothing before reuse.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

XYLENE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	45.000%

POLY(HEXAMETHYLENE DIISOCYANATE)

-	28182-81-2	-	Eye Irrit. 2: H319; Skin Sens. 1: H317	40.000%

N-BUTYL ACETATE

204-658-1	123-86-4	-	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	14.000%

2-DIMETHYLAMINOETHANOL

203-542-8	108-01-0	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314	1.000%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Use an approved skin cleanser.

Eye contact: Remove contact lenses. Ensure adequate flushing of eyes by separating eyelids with the fingers. Consult a doctor.

Ingestion: Do not induce vomiting. Immediately call a POISON CENTER or physician.

[cont...]

Inhalation: Provide fresh air. Consult a doctor.

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

Skin contact: Symptoms and symptoms include headache, dizziness, fatigue, muscle weakness, drowsiness and in extreme cases unconsciousness. Repeated or prolonged contact with the preparation may result in removal of the natural fat of the skin, resulting in non-allergic skin inflammation and absorption through the skin.

Eye contact: When fluid spills into the eyes, this can cause irritation and recoverable damage.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure to occupational exposure may have adverse effects on health: Irritation of mucous membranes and respiratory system, as well as adverse effects on kidneys, liver and central nervous system. Symptoms may include irritation of mucous membranes and respiratory tract, as well as adverse effects on kidneys, liver and central nervous system.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: In case of doubt or in case of persistent symptoms, call for medical attention. Never give anything by mouth to an unconscious person. Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. CO2 powders. Sand or earth. Alcohol resistant foam. Do not use water.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: May contain carbon monoxide, carbon dioxide, nitrogen oxides. In combustion emits toxic fumes. Can form explosive vapor-air mixtures Keep away from sources of ignition

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition. Ensure adequate ventilation. Do not breathe vapor.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

[cont...]

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Collect spillage with non-combustible absorbent material such as sand, earth, vermiculite and dispose of it in a waste container in accordance with local regulations (see section 13).

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. See section 7 for information on safe handling

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Prevent the formation of flammable or explosive concentrations of vapors in the air. Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid breathing vapours or mist. Eating, drinking, smoking and storing food is prohibited in workspace. Keep ignition sources away. Protect against electrostatic charges. To eliminate static electricity during transport, the vessel must be earthed and connected to the receptacle using a tie strap. If employees, even if they are not in the process of processing the product, are in a spray booth, ventilation should be present for any spray particles and solvent vapors. In these circumstances, they must wear a hood during the spraying process until the concentration has dropped below the MAC value. Vapors are heavier than air and can spread over floors. Vapors may form an explosive mixture with air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from: oxidising agents, strong alkalis, strong acids. Do not smoke. Do not throw waste in the sink. Keep only in original container. Observe official regulations on storing packagings with pressurised containers.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

XYLENE

[cont...]

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	220 mg/m3	441 mg/m3	-	-

N-BUTYL ACETATE

UK	724 mg/m3	966 mg/m3	-	-

2-DIMETHYLAMINOETHANOL

UK	7.4 mg/m3	22 mg/m3	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. If these are insufficient to maintain concentrations of particulate matter and vapors of solvents below the batch exposure limit, a suitable respiratory protective device should be worn.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. If workers are exposed to concentrations above the exposure limit, they must be use appropriate, certified respirators. Dry sanding of a paint coating, or machining with burners and/or welding equipment of coated objects can cause harmful dust and/or vapors. If possible, wet sanding should be preferred.

Hand protection: Use suitable gloves (EN375) for prolonged or repeated use. Type: Nitrile. Protective creams can help protect exposed skin. However, these may not be applied after exposure has occurred.

Eye protection: Use eye protection (EN166) against splashing of liquids. Ensure eye bath is to hand.

Skin protection: Workers should wear anti-static clothing of a natural material or of a heat-resistant synthetic material.

Environmental: Do not let away in sewers or water courses. See also sections 7 and 12.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Transparent.

Odour: Characteristic odour

Solubility in water: Insoluble

Flash point°C: >+23 **Relative density:** 0,86 +/- 0.05 (20°C)

9.2. Other information

Other information: No data available.

[cont...]

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: Carbon monoxide, carbon dioxide and nitrogen oxides.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

XYLENE

ORL	MUS	LD50	2119	mg/kg
ORL	RAT	LD50	4300	mg/kg
SCU	RAT	LD50	1700	mg/kg

N-BUTYL ACETATE

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

2-DIMETHYLAMINOETHANOL

IPR	MUS	LD50	234	mg/kg
IPR	RAT	LD50	1080	mg/kg
ORL	RAT	LD50	2	gm/kg

Relevant hazards for product:

Hazard	Route	Basis

[cont...]

Acute toxicity (ac. tox. 4)	INH	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Symptoms and symptoms include headache, dizziness, fatigue, muscle weakness, drowsiness and in extreme cases unconsciousness. Repeated or prolonged contact with the preparation may result in removal of the natural fat of the skin, resulting in non-allergic skin inflammation and absorption through the skin.

Eye contact: When fluid spills into the eyes, this can cause irritation and recoverable damage.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure to occupational exposure may have adverse effects on health: Irritation of mucous membranes and respiratory system, as well as adverse effects on kidneys, liver and central nervous system. Symptoms may include irritation of mucous membranes and respiratory tract, as well as adverse effects on kidneys, liver and central nervous system.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
Cas 1330-20-7	-	-	-
Daphnia magna	24H EC50	150	mg/l
CAS 123-86-4	-	-	-
Daphnia magna	24H EC50	73	mg/l
CAS 108-01-0	-	-	-
Daphnia magna	48H EC50	98	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

[cont...]

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Do not let away in sewers or water courses. Dispose of in accordance with all applicable federal, state, and local regulations. Transfer to a suitable container and arrange for collection by specialised disposal company. The classification of the product may match the criteria for hazardous waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

Shipping name: PAINT

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No **Marine pollutant:** No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

Section 15: Regulatory information

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

Specific regulations: The product is classified and labeled for delivery in accordance with Directive 1999/45 / EC. The Safety Data Sheet has been prepared in accordance with EU Regulation (EC) No. 1907/2006 (REACH).

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

EUH204: Contains isocyanates. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.