

## SAFETY DATA SHEET

EASY HARDER

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Compilation date: 11-05-2017

Revision No: 1

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

#### 1.1. Product identifier

**Product name:** EASY HARDER

**Product code:** 5804 / 5810

#### 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](mailto: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:** Flam. Liq. 3: H226; Acute Tox. 4: H332; Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H336; STOT SE 3: H335; -: EUH204

**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects. Flammable liquid and vapour. 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.

H317: May cause an allergic skin reaction.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

H226: Flammable liquid and vapour.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

EUH204: Contains isocyanates. May produce an allergic reaction.

[cont...]

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**Hazard pictograms:** GHS07: Exclamation mark

GHS02: Flame



**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 an approved waste disposal according to local/regional/national/international regulations.

## 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:

##### N-BUTYL ACETATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
204-658-1	123-86-4	-	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	40.000%

##### XYLENE

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	30.000%
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##### POLY(HEXAMETHYLENE DIISOCYANATE)

-	28182-81-2	-	Eye Irrit. 2: H319; Skin Sens. 1: H317	27.500%
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##### LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

265-199-0	64742-95-6	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	2.500%
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## 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. Consult a doctor.

[cont...]

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

**Ingestion:** Call a doctor immediately. Do not induce vomiting.

**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 of fumes from the stomach may cause symptoms similar to direct inhalation.

**Inhalation:** Exposure to decomposition products may cause a health hazard. Symptoms may include irritation of mucous membranes and respiratory tract, as well as adverse effects on kidneys, liver and central nervous system.

## 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. Treat symptomatically. Never give anything by mouth to an unconscious person.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Alcohol resistant foam. Sand or earth. CO2 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:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Keep away from ignition sources Ensure adequate ventilation, especially in confined spaces. Do not breathe vapor. Turn leaking containers leak-side up to prevent the escape of liquid.

[cont...]

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## 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding. Notify authorities if product enters sewers or public waters.

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

**Clean-up procedures:** Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Refer to section 13 of SDS for suitable method of disposal.

## 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. See section 7 for information on safe handling Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Eating, drinking, smoking and storing food is prohibited in workspace. Protect against electrostatic charges. Keep ignition sources away. Keep away from heat, sparks and flames. 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. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Do not smoke. Do not use pressure when emptying. Is not a pressure vessel. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

[cont...]

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**Hazardous ingredients:**

## N-BUTYL ACETATE

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	724 mg/m <sup>3</sup>	966 mg/m <sup>3</sup>	-	-

## XYLENE

UK	220 mg/m <sup>3</sup>	441 mg/m <sup>3</sup>	-	-
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### 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. 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:** Impermeable gloves. Nitrile gloves. Protective creams can help protect exposed skin. However, these may not be applied after exposure has occurred.

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

**Skin protection:** Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant fibres.

**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:** Colourless

**Odour:** Characteristic odour

**Solubility in water:** Not miscible

**Flash point°C:** >+23

**Relative density:** 0.93 +/- 0.05 °C

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

[cont...]

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## 10.1. Reactivity

**Reactivity:** No data available.

## 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.

## 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

## 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids. Strong bases.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes. Can be released in case of fire: Carbon monoxide.  
Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	4300	mg/kg
DERMAL	RBT	LD50	>4350	mg/kg

#### Hazardous ingredients:

##### N-BUTYL ACETATE

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

##### XYLENE

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

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ORL	RAT	LD50	8400	mg/kg
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## Relevant hazards for product:

Hazard	Route	Basis
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 of fumes from the stomach may cause symptoms similar to direct inhalation.

**Inhalation:** Exposure to decomposition products may cause a health hazard. Symptoms may include irritation of mucous membranes and respiratory tract, as well as adverse effects on kidneys, liver and central nervous system.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
Daphnia magna	24H EC50	150	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.

### 12.6. Other adverse effects

**Other adverse effects:** No data available.

[cont...]

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## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. The classification of the product may meet the criteria for a hazardous waste.

**Disposal of packaging:** Do not discharge substance / product into sewer system.

**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

**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.

## 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.

[cont...]



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**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.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
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.  
H411: Toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.

**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.

