



**SAFETY DATA SHEET**  
SAFE STEP NON METAL PRIMER - HARDENER

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Compilation date: 28/05/2015

Revision date: 20/03/2019

Revision No: 4

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

**1.1. Product identifier**

**Product name:** SAFE STEP NON METAL PRIMER - HARDENER

**Product code:** 43284;43285P part B

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

**Use of substance / mixture:** PC9a: Coatings and paints, thinners, paint removers.

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

**Company name:** ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

**Tel:** +44 (0) 113 232 2700

**Fax:** +44 (0) 113 232 2740

**Email:** [customer-service@rocol.com](mailto:customer-service@rocol.com)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 113 232 2600

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Acute Tox. 4: H302; Repr. 2: H361f; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Corr. 1B: H314; Skin Sens. 1: H317

**Most important adverse effects:** Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H361f: Suspected of damaging fertility.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

[cont...]

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**Hazard pictograms:** GHS05: Corrosion  
GHS07: Exclamation mark  
GHS08: Health hazard  
GHS09: Environmental



**Signal words:** Danger

**Precautionary statements:** P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water .

### 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:

FATTY ACIDS, TALL-OIL,REACTION PRODUCTS WITH BISPHENOL A, EPICHLOROHYDRIN, GLYCIDYL TOYL ETHER AND TRIETHYLENETETRAMINE - REACH registered number(s): 01-2119983521-35

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	186321-96-0	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	30-50%

#### BENZYL ALCOHOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
202-859-9	100-51-6	-	Acute Tox. 4: H332; Acute Tox. 4: H302	10-30%

#### 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
220-666-8	2855-13-2	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412	1-10%

#### M-PHENYLENEBIS (METHYLAMINE)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
216-032-5	1477-55-0	-	Aquatic Chronic 3: H412; Skin Sens. 1: H317; Eye Dam. 1: H318; Skin Corr. 1B: H314; Acute Tox. 4: H302+H332	1-10%

[cont...]

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### 4,4'-ISOPROPYLIDENEDIPHENOL

201-245-8	80-05-7	-	Repr. 1B: H360F; STOT SE 3: H335; Eye Dam. 1: H318; Skin Sens. 1: H317	1-10%
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### 3-AMINOPROPYLDIMETHYLAMINE

203-680-9	109-55-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317	1-10%
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### 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

202-013-9	90-72-2	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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### SALICYLIC ACID

200-712-3	69-72-7	-	Eye Dam. 1: H318; Acute Tox. 4: H302	1-10%
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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.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Obtain medical attention if soreness or redness persists.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if you feel unwell.

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

**Skin contact:** Severe burns may occur. Blistering may occur.

**Eye contact:** There may be severe pain. The eyes may water profusely. Corneal burns may occur. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. There may be shortness of breath with a burning sensation in the throat.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Dry chemical powder. Carbon dioxide. Water spray. Use water spray to cool containers.

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

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

**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.  
Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**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**

**Hazardous ingredients:**

**4,4'-ISOPROPYLIDENEDIPHENOL**

**Workplace exposure limits:**

**Respirable dust**

	Respirable dust			
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL

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UK	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	-	-
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### DNEL/PNEC Values

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Type	Exposure	Value	Population	Effect
-	Fatty acids, tall-oil, reaction products with bisphenol A, e	-	-	-
DNEL	Long Term Inhalation	23.5 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Long Term Dermal	3.33mg/kg bw/day	Workers	Systemic
DNEL	Long Term Inhalation	5.8 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Long Term Dermal	1.67mg/kg bw/day	Consumers	Systemic
DNEL	Long Term Oral	1.67mg/kg bw/day	Consumers	Systemic
-	Benzyl Alcohol	-	-	-
DNEL	Short Term Dermal	47 mg/kg bw/day	Workers	Systemic
DNEL	Short Term Inhalation	450 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Long Term Dermal	9.5 mg/kg bw/day	Workers	Systemic
DNEL	Long Term Inhalation	90 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Short Term Dermal	28.5mg/kg bw/day	Consumers	Systemic
DNEL	Short Term Inhalation	40.55 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Short Term Oral	25 mg/kg bw/day	Consumers	Systemic
DNEL	Long Term Dermal	5.7 mg/kg bw/day	Consumers	Systemic
DNEL	Long Term Inhalation	8.11 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Long Term Oral	5 mg/kg bw/day	Consumers	Systemic
-	3-aminomethyl-3,5,5-trimethylcyclohexylamine	-	-	-
DNEL	Short Term Inhalation	20.1 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Short Term Inhalation	20.1 mg/m <sup>3</sup>	Workers	Local
DNEL	Long Term Oral	0.526 mg/kg bw/day	Consumers	Systemic
-	3-Aminopropyldimethylamine	-	-	-
DNEL	Short Term Inhalation	9.8 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Short Term Inhalation	9.8 mg/m <sup>3</sup>	Workers	Local
DNEL	Long Term Inhalation	4.9 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Long Term Inhalation	4.9 mg/m <sup>3</sup>	Workers	Local
-	2,4,6-tris(dimethylaminomethyl) phenol Salicylic acid	-	Workers	-
DNEL	Long Term Inhalation	0.31 mg/m <sup>3</sup>	Workers	Systemic

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).

**Hand protection:** Gloves (solvent-resistant). Impermeable gloves. butyl rubber, Ethyl Vinyl Alcohol Laminate (EVAL). Breakthrough time of the glove material > 8 hours.

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**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Environmental:** Do not empty into drains.

### Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Pale brown

**Odour:** Characteristic odour

**Solubility in water:** Slightly soluble

**Viscosity:** Viscous

**Kinematic viscosity:** 450 - 1400

**Viscosity test method:** DYNAMIC (25°C) mPa·s

**Boiling point/range°C:** 135

**Flash point°C:** 86

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** >250

**Vapour pressure:** 0.4 h Pa @ 20C

**Relative density:** 1.03 g/cm<sup>3</sup> (20°C)

**pH:** 11

**VOC g/l:** No data available.

#### 9.2. Other information

**Other information:** No data available.

### Section 10: Stability and reactivity

#### 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.

### Section 11: Toxicological information

#### 11.1. Information on toxicological effects

[cont...]

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### Hazardous ingredients:

#### BENZYL ALCOHOL

IVN	RAT	LD50	53	mg/kg
ORL	MUS	LD50	1360	mg/kg
ORL	RAT	LD50	1230	mg/kg

#### M-PHENYLENEBIS (METHYLAMINE)

DERMAL	RAT	LD50	>3100	mg/kg
DUST/MIST	RAT	4H LC50	1.34	mg/l
ORAL	RAT	LD50	930	mg/kg

#### 4,4'-ISOPROPYLIDENEDIPHENOL

ORL	MUS	LD50	2400	mg/kg
ORL	RAT	LD50	3250	mg/kg

#### 3-AMINOPROPYLDIMETHYLAMINE

ORL	RAT	LD50	1870	mg/kg
SKN	RBT	LD50	600	µl/kg

#### 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

ORL	RAT	LD50	1200	mg/kg
SKN	RAT	LD50	1280	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** Severe burns may occur. Blistering may occur.

**Eye contact:** There may be severe pain. The eyes may water profusely. Corneal burns may occur. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. There may be shortness of breath with a burning sensation in the throat.

[cont...]

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## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

**FATTY ACIDS, TALL-OIL,REACTION PRODUCTS WITH BISPHENOL A, EPICHLOROHYDRIN, GLYCIDYL TOYL ETHER AND**

Daphnia magna	48H EC10	0.5	mg/l
Daphnia magna	48H EC50	0.705	mg/l
Pseudokirchnerella subcapitata	72H ErC50	0.77	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	1.806	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:** Readily absorbed into soil.

### 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

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 07 02 08

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**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:** UN2735

### 14.2. UN proper shipping name

**Shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S.  
(m-Xylylene diamine, isophorone diamine)

[cont...]



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## 14.3. Transport hazard class(es)

Transport class: 8

## 14.4. Packing group

Packing group: II

## 14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

## 14.6. Special precautions for user

Tunnel code: E

Transport category: 2

## Section 15: Regulatory information

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

### 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.

Compiled in accordance with REACH.

**Phrases used in s.2 and s.3:** H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H302+H332: Harmful if swallowed or if inhaled

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.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H360F: May damage fertility.

H361f: Suspected of damaging fertility.

H400: Very toxic to aquatic life.

H410: Very 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

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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.