

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

1.1. Product identifier

Product form : Article
Product name : ProRox GRP 1000
Product code : 30903

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Cladding material for insulation

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rockwool B.V.
Industrieweg 15
6045 JH Roermond
Netherlands
www.rockwool-rti.com

1.4. Emergency telephone number

Emergency number : +32 (0) 3575.55.55

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Reproductive toxicity, Category 2 H361d
Specific target organ toxicity — Repeated exposure, Category 1 H372

Full text of H statements: See section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) :

Danger

Hazardous ingredients :

styrene

Hazard statements (CLP) :

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H361d - Suspected of damaging the unborn child
H372 - Causes damage to organs (ear) through prolonged or repeated exposure

Precautionary statements (CLP) :

P201 - Obtain special instructions before use
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P321 - Specific treatment (see supplemental first aid instruction on this label)
P308+P311 - IF exposed or concerned: Call a POISON CENTER or doctor

2.3. Other hazards

No additional information available

ProRox GRP 1000

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
styrene	(CAS No) 100-42-5 (EC No) 202-851-5 (EC Index No) 601-026-00-0 (REACH-no) Not available	11.5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

Full text of H-statements: See section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Seek medical attention immediately.
- First-aid measures after skin contact : Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Seek medical attention if irritation develops.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical advice.
- First-aid measures after ingestion : Caution if victim vomits: Risk of aspiration!. Do not induce vomiting. Aspiration of this material may cause chemical pneumonia. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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

- Symptoms/injuries after inhalation : May cause irritation to the respiratory tract. Dizziness, headaches, nausea. Cough. Vomiting.
- Symptoms/injuries after skin contact : Drying up of the skin. Redness.
- Symptoms/injuries after eye contact : Pain. Redness.
- Symptoms/injuries after ingestion : Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting. Sore throat.

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

No additional information available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Alcohol resistant foam.
- Unsuitable extinguishing media : High power water jet. Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : On combustion, forms: carbon oxides (CO and CO₂).
- Explosion hazard : None known.
- Hazardous decomposition products in case of fire : Thermal decomposition can lead to the escape of irritating gases and vapours. Carbon monoxide. Carbon dioxide. Organic acids.

5.3. Advice for firefighters

- Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
- Protective equipment for firefighters : In case of fire: Wear self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing.
- Emergency procedures : Evacuate unnecessary personnel. Eliminate all ignition sources if safe to do so. Ventilate affected area.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing. In case of fire: Wear self-contained breathing apparatus.

ProRox GRP 1000

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Emergency procedures : Evacuate area. When leaks or spills occur, only properly protected personnel should remain in the area. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Sweep up, shovel or vacuum. Dispose of this material and its container to hazardous or special waste collection point.

Methods for cleaning up : Clean spills promptly. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : When heated, material emits irritating fumes.

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Handling temperature : 5 - 45 °C

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Storage conditions : Keep container tightly closed in a cool, well-ventilated place. Protect against direct sunlight.

Storage temperature : 10 - 25 °C

Information on mixed storage : Do not mix with organic peroxides.

Special rules on packaging : Prevent physical damage to package.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

styrene (100-42-5)		
Austria	MAK (mg/m ³)	85 mg/m ³
Austria	MAK (ppm)	20 ppm
Austria	MAK Short time value (mg/m ³)	340 mg/m ³ max. 4x15 min./Schicht
Austria	MAK Short time value (ppm)	80 ppm max. 4x15 min./Schicht
Belgium	Limit value (mg/m ³)	173 mg/m ³
Belgium	Limit value (ppm)	40 ppm
Belgium	Short time value (mg/m ³)	346 mg/m ³
Belgium	Short time value (ppm)	80 ppm
Finland	HTP-arvo (8h) (mg/m ³)	86 mg/m ³
Finland	HTP-arvo (8h) (ppm)	20
Finland	HTP-arvo (15 min)	430 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
France	VME (mg/m ³)	215 mg/m ³
France	VME (ppm)	50 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	86 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	20 ppm
Spain	VLA-ED (mg/m ³)	86 mg/m ³
Spain	VLA-ED (ppm)	20 ppm
Spain	VLA-EC (mg/m ³)	172 mg/m ³
Spain	VLA-EC (ppm)	40 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	43 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	10 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	86 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	20 ppm

ProRox GRP 1000

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

styrene (100-42-5)		
United Kingdom	WEL TWA (mg/m ³)	430 mg/m ³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m ³)	1080 mg/m ³
United Kingdom	WEL STEL (ppm)	250 ppm
Norway	Grenseverdier (AN) (mg/m ³)	105 mg/m ³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Australia	TWA (mg/m ³)	430 mg/m ³
Australia	TWA (ppm)	100 ppm
Australia	STEL (mg/m ³)	1080 mg/m ³
Australia	STEL (ppm)	250 ppm
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	ACGIH STEL (ppm)	40 ppm
USA - NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
USA - NIOSH	NIOSH REL (ceiling) (ppm)	200 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	215 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	50 ppm
USA - OSHA	OSHA PEL (STEL) (mg/m ³)	425 mg/m ³
USA - OSHA	OSHA PEL (STEL) (ppm)	100 ppm

8.2. Exposure controls

Appropriate engineering controls:

Either local exhaust or general room ventilation is usually required.

Personal protective equipment:

Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.

Materials for protective clothing:

Wear suitable protective clothing. EN 14605

Hand protection:

Wear suitable gloves tested to EN374. FKM (fluoro rubber). Thickness of glove material: 0.4mm. Break through time: ≥ 480 min.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN140 with Type A/P2 filter or better



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Rubbery sheet.
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 145 °C (styrene)
Flash point	: 32 °C (styrene)
Auto-ignition temperature	: 490 °C (styrene)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable, Test method EU A.10
Vapour pressure	: 6.7 hPa (23 °C), styrene

ProRox GRP 1000

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Relative vapour density at 20 °C	: 3.59 (styrene)
Relative density	: No data available
Density	: 1.8 g/m ³ ISO 1183
Solubility	: Water: 0.3 g/l (styrene)
Log Pow	: 2.76 (styrene)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0.76 mPa.s (styrene)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Direct sunlight.

10.5. Incompatible materials

Do not mix with organic peroxides.

10.6. Hazardous decomposition products

May release flammable gases. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

styrene (100-42-5)	
LD50 oral rat	5000 mg/kg
LC50 inhalation rat (mg/l)	11.8 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs (ear) through prolonged or repeated exposure.
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

styrene (100-42-5)	
LC50 fish 1	10.1 mg/l (Exposure time: 96 h)
EC50 Daphnia 1	225 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

ProRox GRP 1000	
Log Pow	2.76 (styrene)

12.4. Mobility in soil

No additional information available

ProRox GRP 1000

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

ProRox GRP 1000

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : styrene is listed

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out

styrene

SECTION 16: Other information

Abbreviations and acronyms:

ACGIH (American Conference of Government Industrial Hygienists)
BCF - bioconcentration factor
CAS - Chemical Abstracts Service
CSR - Chemical Safety Report
EC - European Community
DIN - Deutsches Institut für Normung eV (German Institute for Standardization)
PBT - Persistent, Bioaccumulative and Toxic substance
vPvB - Very Persistent and Very Bioaccumulative
TWA- Time Weighted Average

Sources of Key data : Supplier's Safety Data Sheet. REACH registration.

Other information : It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H361d	Suspected of damaging the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Repr. 2	H361d	Calculation method
STOT RE 1	H372	Calculation method

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.