

Safety Data Sheet

according to UK REACH Regulation

RASCOflex B-P

Revision date: 26.11.2024

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

1.1. Product identifier

RASCOflex B-P

Substance name: diammonium peroxodisulphate; ammonium persulphate
CAS No: 7727-54-0
Index No: 016-060-00-6
EC No: 231-786-5
UFI: TWR9-X754-570P-P7UU

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

Use of the substance/mixture

Adhesives and sealants – building and construction works (except cement based adhesives)

1.3. Details of the supplier of the safety data sheet

Company name: Rascor International Ltd.
Street: Gewerbestrasse 4
Place: CH-8162 Steinmaur
Telephone: +41 (0)448571111
E-mail: info@rascor.com
E-mail (Contact person): labor@rascor.com
Internet: www.rascor.com

1.4. Emergency telephone number:

+41 (0)44 857 11 11 (8:00-16:00 Mo-Fr)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Ox. Sol. 3; H272
Acute Tox. 4; H302
Skin Irrit. 2; H315
Eye Irrit. 2; H319
Resp. Sens. 1; H334
Skin Sens. 1; H317
STOT SE 3; H335

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Signal word: Danger

Pictograms:



Hazard statements

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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H335 May cause respiratory irritation.

Precautionary statements

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

P220 Keep away from clothing and other combustible materials.

P261 Avoid breathing dust/mist.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

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

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P332+P317 If skin irritation occurs: Get medical help.

P337+P313 If eye irritation persists: Get medical advice/attention.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

2.3. Other hazards

Not a vPvB substance

Not a PBT substance

No substance with endocrine disrupting properties.

May form explosive dust-air mixture when dispersed.

SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
7727-54-0	diammonium peroxodisulphate; ammonium persulphate			100 %
	231-786-5	016-060-00-6		
	Ox. Sol. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3; H272 H302 H315 H319 H334 H317 H335			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
7727-54-0	231-786-5	diammonium peroxodisulphate; ammonium persulphate	100 %
	inhalation: LC50 = 2950 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = 742 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Ensure that first aiders protect themselves!

Never give anything by mouth to an unconscious person!

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After inhalation

Remove person from danger zone. Supply person with fresh air and consult a doctor immediately.

After contact with skin

Wash thoroughly with plenty of soap and water, remove contaminated, soaked clothing immediately, consult a doctor if skin irritation (redness etc.) occurs.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

IF SWALLOWED: Immediately call a doctor.

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

If applicable, delayed symptoms and effects can be found in section 11. or in the intake routes under Section 4.1.

May occur:

Irritation of the skin.

Irritation of the eyes

Irritation of the stomach

Inhalation:

Irritation of the respiratory tract

Sensitisation possible through inhalation.

In certain cases, symptoms of poisoning may only appear after a longer period of time/after several hours.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Water

Carbon dioxide (CO₂)

Foam

Dry extinguishing powder

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

Sulphur oxides

Nitrogen oxides (NO_x)

Formation of explosible dust/air mixtures

5.3. Advice for firefighters

Personal protection equipment: see section 8

Wear a self-contained breathing apparatus and chemical protective clothing.

Full protection suit

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

In case of spillage or accidental release, to prevent contamination, wear personal protective equipment from

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Section 8 to prevent contamination.
 Ensure adequate ventilation, remove ignition sources.
 In case of solid or powdery products, avoid dust formation.
 Leave the danger zone if possible, use existing emergency plans if necessary.
 Remove ignition sources, do not smoke.
 Avoid eye and skin contact and inhalation.
 Avoid dust formation.
 Ensure adequate ventilation. Remove all sources of ignition. Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

For emergency responders

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
 In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For cleaning up

Take up mechanically, placing in appropriate containers for disposal. Disposal: see section 13

6.4. Reference to other sections

Safe handling: see section 7
 Personal protection equipment: see section 8
 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Switch on local extraction system.
 Keep ignition sources away - Do not smoke.
 Use only explosion-proof equipment.
 Only use work procedures in accordance with the operating instructions.
 Observe dust explosion hazard
 Observe the information on the label and the instructions for use.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

The general hygiene measures for handling chemicals must be applied. Wash hands before breaks and at the end of work.
 Keep away from food, drink and animal feed.
 Remove contaminated clothing and protective equipment before entering areas where food is eaten.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Keep away from clothing and other combustible materials.

Further information on storage conditions

Store at temperatures not exceeding 25 °C. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from moisture.

7.3. Specific end use(s)

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No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Appropriate engineering controls

Ensure good ventilation. This can be achieved by a local exhaust ventilation system or a general exhaust ventilation system.

If this is not sufficient to keep concentrations below the occupational exposure limit values (OELs), suitable respiratory protection should be worn.

Only applies if exposure limit values are specified here.

The assessment methods that can be used to check the effectiveness of the protective measures taken include metrological and non-measurable determination methods.

These are described, for example, in EN 14042, TRGS 402 (Germany).

EN 14042 'Workplace atmospheres. Guidelines for the application and use of methods and equipment for the assessment of chemical and biological agents'.

TRGS 402 'Identification and assessment of hazards arising from exposure to hazardous substances - Inhalation exposure'.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety goggles (with side protection). Safety goggles (with side protection) should fulfil the requirements of EN 166 or similar.

Hand protection

Protective gloves made of nitrile (EN ISO 374).

Minimum layer thickness in mm:

0,11

Permeation time (breakthrough time) in minutes:

> 480

Suitable gloves are e.g. protective gloves from KCL GmbH, D-

36124 Eichenzell, e-mail vertrieb@kcl.de, as follows

specification:

Dermatril®

The breakthrough times determined in accordance with EN 16523-1 were not carried out under practical conditions.

A maximum wearing time corresponding to 50% of the breakthrough time is recommended.

Skin protection

Use of protective clothing. Chemical resistant safety shoes EN ISO 20345

Respiratory protection

If the occupational exposure limit value is exceeded

Dust mask with fine dust filter required (EN 143), identification colour white.

Observe wearing time limits for respiratory protective devices.

Thermal hazards

If applicable, they are mentioned under personal protective measures (eye/face protection, skin protection, respiratory protection).

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Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid/ Powder	
Colour:	white	
Odour:	characteristic	
Melting point/freezing point:		No information available.
Boiling point or initial boiling point and boiling range:		No information available.
Flammability:		not determined
Lower explosion limits:		No information available.
Upper explosion limits:		No information available.
Flash point:		No information available.
Auto-ignition temperature:		No information available.
Decomposition temperature:		120 °C
pH-Value:		3,2 (100 g/l)
Viscosity / kinematic:		No information available.
Water solubility:		620 g/L
Solubility in other solvents		not determined
Partition coefficient n-octanol/water:		No information available.
Vapour pressure:		No information available.
Density:		1.98 g/cm ³
Bulk density:		950-1050 kg/m ³
Relative vapour density:		not determined
Particle characteristics:		not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is: oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity

Oxidising.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Combustible substance, Alkali metals, Alkaline earth metal, Heavy metals, Metal powder, Acid, Base.

10.4. Conditions to avoid

Handle with care - avoid bumps, friction and impact. Explosive. Remove all sources of ignition. Keep away from: Heat. Ignition.

10.5. Incompatible materials

Avoid contact with: Strong acids. Strong bases. Strong oxidising agents.

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peroxides, for example hydrogen peroxide
Reducing agent
Alkali (lye), concentrated
metals

10.6. Hazardous decomposition products

Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Harmful if swallowed.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7727-54-0	diammonium peroxodisulphate; ammonium persulphate				
	oral	LD50 mg/kg	742	Rat	
	dermal	LD50 mg/kg	>2000	Rat	
	inhalation (4 h) vapour	LC50	2950 mg/l	Rat	

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause allergy or asthma symptoms or breathing difficulties if inhaled. (diammonium peroxodisulphate; ammonium persulphate)

May cause an allergic skin reaction. (diammonium peroxodisulphate; ammonium persulphate)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause respiratory irritation. (diammonium peroxodisulphate; ammonium persulphate)

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Other information

This substance is classified as hazardous according to Regulation (EC) No 1272 (2008).

SECTION 12: Ecological information

12.1. Toxicity

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

The product is not: Ecotoxic.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
7727-54-0	diammonium peroxodisulphate; ammonium persulphate					
	Acute fish toxicity	LC50 mg/l	76,3	96 h	Cyprinus carpio (Common Carp)	
	Acute crustacea toxicity	EC50	120 mg/l	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of UK REACH.

The product has not been tested.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

060314 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of salts and their solutions and metallic oxides; solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

List of Wastes Code - used product

060314 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of salts and their solutions and metallic oxides; solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

List of Wastes Code - contaminated packaging

060314 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of salts and their solutions and metallic oxides; solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

UN 1444

14.2. UN proper shipping name:

AMMONIUM PERSULPHATE

14.3. Transport hazard class(es):

5.1

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14.4. Packing group:

Hazard label:

III

5.1



Classification code:

O2

Limited quantity:

5 kg

Excepted quantity:

E1

Transport category:

3

Hazard No:

50

Tunnel restriction code:

E

Inland waterways transport (ADN)

14.1. UN number or ID number:

UN 1444

14.2. UN proper shipping name:

AMMONIUM PERSULPHATE

14.3. Transport hazard class(es):

5.1

14.4. Packing group:

III

Hazard label:

5.1



Classification code:

O2

Limited quantity:

5 kg

Excepted quantity:

E1

Marine transport (IMDG)

14.1. UN number or ID number:

UN 1444

14.2. UN proper shipping name:

AMMONIUM PERSULPHATE

14.3. Transport hazard class(es):

5.1

14.4. Packing group:

III

Hazard label:

5.1



Special Provisions:

-

Limited quantity:

5 kg

Excepted quantity:

E1

EmS:

F-A, S-Q

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

UN 1444

14.2. UN proper shipping name:

AMMONIUM PERSULPHATE

14.3. Transport hazard class(es):

5.1

14.4. Packing group:

III

Hazard label:

5.1



Special Provisions:

A803

Limited quantity Passenger:

10 kg

Passenger LQ:

Y546

Excepted quantity:

E1

IATA-packing instructions - Passenger:

559

IATA-max. quantity - Passenger:

25 kg

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IATA-packing instructions - Cargo:

563

IATA-max. quantity - Cargo:

100 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning: Oxidising substances.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

Other applicable information

Hazchem code: 1Z

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to 2012/18/EU
(SEVESO III):

P8 OXIDISING LIQUIDS AND SOLIDS

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2.

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Abbreviations and acronyms

CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
 IMDG: International Maritime Code for Dangerous Goods
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organization
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).
 Ox. Liq: Oxidising liquids
 Ox. Sol: Oxidising solids
 Acute Tox: Acute toxicity
 Skin Irrit: Skin irritation
 Eye Irrit: Eye irritation
 Resp. Sens: Respiratory sensitisation
 Skin Sens: Skin sensitisation
 STOT SE: Specific target organ toxicity - single exposure

Relevant H and EUH statements (number and full text)

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible

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for adhering to existing laws and regulations.