

Revision Date 20/05/2013 - Revision 10 Supersedes 30/04/2013

SAFETY DATA SHEET-*rapidex*[®]

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Product name **rapidex**

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

Identified uses Cleaning agent

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

Supplier **rapidex** Limited
 Abacus House
 33 Gutter Lane
 London
 EC2V 8AR
 +44 (0) 870 162 0788 in office hours
sales@rapidex.co.uk

1.4. Emergency telephone number:

+44 (0) 870 162 0788 in office hours, out of hours +44 (0) 7802 54 11 97

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification (EC 1272/2008)

Physical and Chemical Hazards: Not classified
 Human health: Not classified
 Environment: Not classified

Classification (1999/45/EEC)

Not classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

2.2. Label elements:

Label In Accordance With (EC) No. 1272/2008
 No pictogram required

Precautionary Statements

P102 Keep out of reach of children.
 P305 IF IN EYES:
 P351 Rinse cautiously with water for several minutes.
 P313 Get medical advice/attention.

Supplemental label information

EUH210 Safety data sheet available on request.

2.3. Other hazards:

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures:

ETHANEDIOL < 2%
 CAS-No.: 107-21-1 EC No.: 203-473-3
 Classification (EC 1272/2008) Classification (67/548/EEC)
 Acute Tox. 4 - H302 Xn; R22

SODIUM LAURYL SULPHATE BP 2-3%
 CAS-No.: 151-21-3 EC No.: 205-788-1
 Classification (EC 1272/2008) Classification (67/548/EEC)
 Flam. Liq. 2 - H225 Xn; R20/22
 Acute Tox. 4 - H302 Xi; R37/38, R41
 Acute Tox. 4 - H332 F; R11
 Skin Irrit. 2 - H315
 Eye Dam. 1 - H318
 STOT Single 3 - H335

TRISODIUM PHOSPHATE (ANHYDROUS) 5-10%
 CAS-No.: 7601-54-9 EC No.: 231-509-8
 Classification (EC 1272/2008) Classification (67/548/EEC)
 Skin Irrit. 2 - H315 Xi; R36/37/38.
 Eye Irrit. 2 - H319
 STOT Single 3 - H335

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General information CAUTION! First aid personnel must be aware of own risk during rescue! Contact physician if discomfort continues.

Inhalation Move the exposed person to fresh air at once.

Ingestion Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

Skin contact Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

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

Inhalation No specific symptoms noted.

Ingestion No specific symptoms noted.

**CONTROLLED DOCUMENT – DO NOT COPY
 UNCONTROLLED DOCUMENT WHEN COPIED**

Skin contact Powder may irritate the skin.

Skin irritation

Eye contact May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed:
No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media: Extinguishing media Water spray.

5.2. Special hazards arising from the substance or mixture:
Specific hazards In case of fire, toxic gases may be formed.

5.3. Advice for firefighters: Protective equipment for fire fighters.
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:
Avoid inhalation of dust. Avoid contact with skin and eyes. For personal protection, see section 7 and 8

6.2. Environmental precautions
Avoid discharge into drains, watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up:
Avoid generation and spreading of dust. Avoid dust formation. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Wash down with water. Dispose as normal detergent waste.

6.4. Reference to other sections:
Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:
Avoid inhalation of dust and contact with skin and eyes. Take care when opening bulk powder. Mix with small quantity of water first to minimise aerosol effect. Ventilate well. Static electricity and formation of sparks must be prevented. Wear protective clothing as described in Section 8 of this safety data sheet. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities:
Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)
The identified uses for this product are detailed in Section 1.2.
Usage Description 5-year shelf life.
From the data on storage duration in this safety data sheet no agreed statement regarding the warrantee of application properties can be deduced.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Name	STD	TWA - 8 Hrs.	STEL - 15 Min	Notes
ETHANEDIOL	WEL	52 mg/m3 (Sk)	104 mg/m3 (Sk)	

WEL = Workplace Exposure Limit.

8.2. Exposure controls:

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear approved, tightly fitting safety glasses where splashing is probable. EN166

Other Protection

Provide eyewash station.

Hygiene measures

When using do not eat, drink or smoke. Good personal hygiene is necessary. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands after contact. Wash hands after handling. Wash contaminated areas with water and soap before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Skin protection

Wear apron or protective clothing in case of contact.

Environmental Exposure Controls

Avoid release to the environment. Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government websites: www.dti.gov.uk/access/index/htm and www.envirowise.gov.uk

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance	Powder, dust
Colour	Pale Pink/White

**CONTROLLED DOCUMENT – DO NOT COPY
UNCONTROLLED DOCUMENT WHEN COPIED**

Solubility
Initial boiling point and boiling range
Vapour pressure
pH
Explosive properties

Miscible with water (flocculation may occur <15°C)
100
Not applicable
>11.0 in 2.5% solution @20°C
Not applicable
Not available. Not determined.

9.2. Other information:

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Do not mix with acids (alkaline solution)

10.2. Chemical stability:

Stable under normal temperature conditions and recommended use

10.3. Possibility of hazardous reactions:

Hazardous Polymerisation Will not polymerise

10.4. Conditions to avoid:

Take precautionary measures against static discharges

10.5. Incompatible materials:

Materials To Avoid Acids

10.6. Hazardous decomposition products:

None under normal conditions

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Other Health Effects

This substance has no evidence of carcinogenic properties.

Acute toxicity

Oral LD 50 (CAS 7758-29-4) >2000 mg/kg bw rat
Oral LD 50 (CAS 7757-82-6) >2000 mg/kg bw rat
Oral LD 50 (CAS 7601-54-9) >2000 mg/kg rat
Oral LD 50 (CAS 151-21-3) >1500 mg/kg rat
Dermal LD 50 (CAS 7758-29-4) >4640 mg/kg bw rabbit
Dermal LD 50 (CAS 151-21-3) >500 mg/kg rabbit
Inhalation LC 50 (CAS 7758-29-4) >0.39 mg/ L air 4 h rat
Inhalation LC 50 (CAS 7757-82-6) >2.4 mg/ L air 4 h rat.
Inhalation LC 50 (CAS 7601-54-9) >0.83 mg/ L air 4 h rat
Inhalation LC 50 (CAS 151-21-3) >3, 900 mg/m³ 1 h rat

Respiratory or skin sensitisation

Not available

Germ cell mutagenicity

Genotoxicity- In vitro

Not available

Genotoxicity- In vivo

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Reproductive Toxicity - Fertility

Not available

Specific Target Organ Toxicity – single ex.

Not available

Specific Target Organ Toxicity – repeated ex

Not available

Inhalation

No specific health warnings noted

Ingestion

No specific health warnings noted

Skin contact

Powder may irritate skin

Eye contact

May cause temporary eye irritation

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity:

Acute Toxicity Fish (CAS 7758-29-4) 24 h LC50 >1850 mg/l basis for effect mortality
Acute Toxicity Fish (CAS 7757-82-9) 48 h LC50 >7960 mg/l basis for effect mortality
Acute Toxicity Fish (CAS 151-21-3) 96h LC50 29 mg/l basis for effect mortality
Acute Toxicity Aquatic Invertebrates (CAS 7758-29-4) Daphnia magna 48 h EC 50 >100 mg/l
Acute Toxicity Aquatic Invertebrates (CAS 7757-82-6) Daphnia magna 48 h EC50 4736 mg/l
Acute Toxicity Aquatic Invertebrates (CAS 151-21-3) Ceriodaphnia dubia 48 h LC 50 5.55 mg/l
Acute Toxicity Aquatic Invertebrates (CAS 7601-54-9) Daphnia magna 48 h EC 50 276.61 mg/l
Acute Toxicity-Aquatic Plants (CAS 7758-29-4) Algae 7 d EC 50 >900 mg/l basis for effect growth rate
Acute Toxicity-Aquatic Plants (7757-82-6) Algae 120h EC 50 1900mg/l
Acute Toxicity-Aquatic Plants (151-21-3) Algae 72 h EC 50 >120 basis for effect growth rate
Acute Toxicity-Microorganisms (CAS 7757-82-6) NOEC 37 d 26 mg/l bacteria in activated sludge
Fish Early life Stage Scientifically unjustified
Aquatic Invertebrates Scientifically unjustified
Terrestrial Scientifically unjustified

Chronic Toxicity

Chronic Toxicity

Acute Toxicity

12.2. Persistence and degradability:

Degradability

There are no data on the degradability of this product. The surfactants contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EU) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bio accumulative potential:

No data available on bioaccumulation

12.4. Mobility in soil

The product is soluble in water

12.5. Results of PBT and vPvB assessment:

No data available

12.6. Other adverse effects:

None known

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods:

Dispose of waste and residues in accordance with local authority requirements. Board packaging is recyclable.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number:

Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class (es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Environmentally Hazardous

**CONTROLLED DOCUMENT – DO NOT COPY
UNCONTROLLED DOCUMENT WHEN COPIED**

Substance/Marine Pollutant No
14.6. Special precautions for user: Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
 Not applicable

SECTION 15: REGULATORY INFORMATION

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

UK Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labeling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG (108). Introduction to Local Exhaust Ventilation HS (G) 37.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.
 Workplace Exposure Limits 2005 (EH40)
 Health and Safety at Work Act (As Amended) 1974
 Control of Substances Hazardous to Health Regulations 2002 (as amended)

15.2. Chemical Safety Assessment:

No chemical safety assessment has been carried out.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

SECTION 16: OTHER INFORMATION

Issued By	HS&E Manager
Revision Date	20/05/2013
Revision	10
Supersedes date	30/04/2013
Safety Data Sheet Status	Approved

Risk Phrases In Full

R20/22	Harmful by inhalation and if swallowed
R22	Harmful if swallowed.
R11	Highly flammable
R36/37/38	Irritating to eyes, respiratory system and skin
R37/38	Irritating to respiratory system and skin
NC	Not classified
R41	Risk of serious damage to eyes

Hazard Statements In Full

H318	Causes serious eye damage
H319	Causes serious eye irritation
H315	Causes skin irritation
H332	Harmful if inhaled
H302	Harmful if swallowed
H225	Highly flammable liquid and vapour
H335	May cause respiratory irritation

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. It does not comprise technical or performance specification for this product The above information is based on the present state of our knowledge at the time of publication and is intended solely as a general guide to the health, safety and environmental implications of this product for handling and disposal during general use. It does not replace the users own assessment of suitability for their purposes and of workplace risk as required by Health and Safety legislation. It is given in good faith and no warranty is implied with respect to the quality or specification of the product. rapidex ltd shall not be held liable for any damage resulting from handling or from contact with the above product. The user must satisfy themselves that the product is entirely suitable for their purpose. Due to the diverse applications for this product, rapidex ltd cannot accept liability for damage of any nature, resulting from the use of this product.

rapidex Ltd Tel/Fax +44 (0) 870 162 0788 rxmsds13
 email: sales@rapidex.co.uk website: www.rapidex.co.uk
 rapidex® is a registered trade mark of rapidex Ltd

**CONTROLLED DOCUMENT – DO NOT COPY
 UNCONTROLLED DOCUMENT WHEN COPIED**