



SAFETY DATA SHEET

SOLVENT BASE ODOUR NEUTRALISER

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

1.1. Product identifier

Product name SOLVENT BASE ODOUR NEUTRALISER
Product number A223

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

Identified uses A concentrated solvent soluble odour neutraliser which can be added to Prochem B140 Dri Pro for the control of smoke, tobacco, fuel oil and other odours during fabric dry cleaning or disaster restoration cleaning processes. Solvent Base Odour Neutraliser leaves no film or residue and evaporates completely after application.

1.3. Details of the supplier of the safety data sheet

Supplier www.prochem.co.uk
Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH

Telephone: 020 8974 1515
Fax: 020 8974 1511
sales@prochem.co.uk

1.4. Emergency telephone number

Emergency telephone 020 8974 1515 (office hours 8am to 5pm Monday to Friday) Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Flam. Liq. 3 - H226

Health hazards

Elicitation - EUH208 Asp. Tox. 1 - H304

Environmental hazards

Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)

Xn;R65. R10,R53,R66.

Human health

Splashes in the eyes may cause redness and irritation. Prolonged skin contact may cause redness, irritation and dry skin. Spray mists irritate the respiratory system, and cause coughing and difficulties in breathing. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Environmental

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May cause long lasting harmful effects to aquatic life.

Physicochemical

Flammable/combustible materials. The product may form explosive vapours/air mixtures even at normal room temperatures.

2.2. Label elements**Pictogram****Signal word**

Danger

Hazard statements

EUH208 Contains Turpentine, oil, Citral, d-Limonene, GERANIOL, Cinnamal, Citronellal. May produce an allergic reaction.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

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

P260 Do not breathe vapour/spray.

P284 Wear respiratory protection.

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

P273 Avoid release to the environment.

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

P331 Do NOT induce vomiting.

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Detergent labelling

≥ 30% aliphatic hydrocarbons, 5 - < 15% perfumes, Contains d-Limonene, Citral, Linalool, Cinnamal, Geraniol, Citronellol, coumarin

2.3. Other hazards

See section 8 for details of exposure limits. This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	60-100%
CAS number: 64741-65-7 EC number: 918-167-1 REACH registration number: 01-2119472146-39-0001	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	Xn;R65. R53,R66.
Asp. Tox. 1 - H304	
Aquatic Chronic 4 - H413	

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d-Limonene <1%	
CAS number: 5989-27-5 EC number: 227-813-5 M factor (Acute) = 1 M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) R10 R43 Xi;R38 N;R50/53
Citral <1%	
CAS number: 5392-40-5 EC number: 226-394-6	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC) R43 Xi;R38
Cinnamal <1%	
CAS number: 104-55-2 EC number: 203-213-9	
Classification Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC) Xn;R21. Xi;R38. R43.
Turpentine, oil <1%	
CAS number: 8006-64-2 EC number: 232-350-7	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20/21/22,R65 R43 Xi;R36/38 N;R51/53
Citronellal <1%	
CAS number: 106-23-0 EC number: 203-376-6	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xi;R38. N;R51/53. R43.

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Geraniol	<1%
CAS number: 106-24-1 EC number: 203-377-1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Xi;R38,R41. R43.
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	

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**

Keep the affected person warm and at rest. Get prompt medical attention. Keep affected person under observation. Effects may be delayed. If in doubt, get medical attention promptly.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person under observation. Get medical attention if symptoms are severe or persist. Show this Safety Data Sheet to the medical personnel.

Ingestion

Get medical attention immediately. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Show this Safety Data Sheet to the medical personnel.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed**General information**

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

Inhalation

Vapours/aerosol spray may irritate the respiratory system. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. Prolonged or repeated exposure may cause the following adverse effects: Dizziness. Drowsiness.

Ingestion

Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact

Skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact

Vapour or spray in the eyes may cause irritation and smarting. Irritation, burning, lachrymation, blurred vision after liquid splash.

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor**

No specific recommendations.

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Specific treatments

No specific chemical antidote is known to be required after exposure to this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Flammable liquid and vapour. Containers can burst violently or explode when heated, due to excessive pressure build-up. Solvent vapours may form explosive mixtures with air. May ignite at high temperature.

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Acrid smoke or fumes.

5.3. Advice for firefighters

Protective actions during firefighting

Move containers from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters

Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Eliminate all sources of ignition. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Take precautionary measures against static discharges. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautions

Environmental Manager must be informed of all major spillages. Do not discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid the spillage or runoff entering drains, sewers or watercourses. Take care as floors and other surfaces may become slippery. Contain spillage with sand, earth or other suitable non-combustible material. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations. Do not allow material to enter confined spaces, due to the risk of explosion.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions

Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours and spray/mists. Avoid release to the environment. Do not use in confined spaces without adequate ventilation and/or respirator. Use explosion-proof electrical, ventilating and lighting equipment. Eliminate all sources of ignition. Take precautionary measures against static discharges. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Advice on general occupational hygiene

Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Clean equipment and the work area every day. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a well-ventilated place. Bund storage facilities to prevent soil and water pollution in the event of spillage. Keep away from food, drink and animal feeding stuffs. Only store in correctly labelled containers.

Storage class

Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Long-term exposure limit (8-hour TWA): SUP 150 ppm 1000 mg/m3
SUP = Supplier's recommendation.

Turpentine, oil

Long-term exposure limit (8-hour TWA): WEL 100 ppm 566 mg/m3
Short-term exposure limit (15-minute): WEL 150 ppm 850 mg/m3

2,6-di-tert-butyl-p-cresol

Long-term exposure limit (8-hour TWA): WEL 10

WEL = Workplace Exposure Limit

Ingredient comments

SUP = Supplier's recommendation.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. Use explosion-proof electrical, ventilating and lighting equipment. Wear suitable respiratory protection. This product must not be handled in a confined space without adequate ventilation.

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Eye/face protection

Wear approved safety goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Solvent resistant nitrile gloves are recommended. To protect hands from chemicals, gloves should comply with European Standard EN374. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Wash contaminated clothing before reuse.

Respiratory protection

Wear suitable respiratory protection. Wear a respirator fitted with the following cartridge: Organic vapour filter. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Gas and combination filter cartridges should comply with European Standard EN14387. Change filter cartridge on respirator daily. Check that the respirator fits tightly and the filter is changed regularly. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Clear liquid. Solvent.

Colour

Colourless.

Odour

Floral.

Odour threshold

Not determined.

pH

Not applicable.

Melting point

Not determined.

Initial boiling point and range

187 - 213°C @ 760 mm Hg

Flash point

53°C CC (Closed cup).

Evaporation rate

Not determined.

Upper/lower flammability or explosive limits

Not determined.

Other flammability

Flammable/combustible materials.

Vapour pressure

Not determined.

Vapour density

4.5

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Relative density

0.761 @ 15°C

Solubility(ies)

Insoluble in water. Soluble in the following materials: Hydrocarbons.

Partition coefficient

Not determined.

Auto-ignition temperature

Not determined.

Decomposition Temperature

Not determined.

Viscosity

Not determined.

Explosive properties

Not determined.

Oxidising properties

Not applicable.

9.2. Other information**Other information**

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

The following materials may react with the product: Strong oxidising agents.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

The following materials may react with the product: Strong oxidising agents.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials**Materials to avoid**

Strong oxidising agents.

10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Acrid smoke or fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Toxicological effects**

Ingestion. May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting. Spray/mists may cause respiratory tract irritation. Vapours and spray/mists in high concentrations are narcotic. When working extensively on big surfaces in small and badly ventilated rooms, vapours may develop in concentrations which may cause malaise such as headache, dizziness and nausea. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

Skin corrosion/irritation**Skin corrosion/irritation**

Prolonged or repeated contact with skin may cause irritation, redness and dermatitis., May cause sensitisation or allergic reactions in sensitive individuals.

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Serious eye damage/irritation

Vapour or spray in the eyes may cause irritation and smarting. May cause discomfort.

Skin sensitisation

Contains Limonene Citral Linalool Cinnamal Turpentine oil Citronellal Geraniol Citronellol Coumarin

Germ cell mutagenicity

Genotoxicity - in vivo

No effects expected based upon current data.

Carcinogenicity

No effects expected based upon current data.

Reproductive toxicity

Reproductive toxicity - fertility

No effects expected based upon current data.

Aspiration hazard

Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Medical symptoms

Gastrointestinal symptoms, including upset stomach. Dry skin.

Medical considerations

Skin disorders and allergies.

SECTION 12: Ecological Information

Ecotoxicity

The product contains a substance which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability

The product is expected to be biodegradable. Oxidises rapidly by photochemical reactions in air.

12.3. Bioaccumulative potential

The product contains potentially bioaccumulating substances.

Partition coefficient

Not determined.

12.4. Mobility in soil

Mobility

The product is immiscible with water and will spread on the water surface. Absorbs to soil and has low mobility. Large volumes may penetrate soil and could contaminate groundwater.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not expected to have ozone depletion potential.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste, residues, empty containers, discarded work clothes and contaminated cleaning

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materials should be collected in designated containers, labelled with their contents. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods

Empty containers or liners may retain some product residues and hence be potentially hazardous. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1268

UN No. (IMDG) 1268

14.2. UN proper shipping name

Petroleum distillates, N.O.S., (contains petroleum naphtha and limonene)

14.3. Transport hazard class(es)

IMDG class 3

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

No special storage precautions required. Supplied in accordance with "Limited Quantity" provisions.

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

National regulations

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

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) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

Telephone 020 8974 1515

Revision date 24/11/2014

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Revision	2
Supersedes date	03/08/2012
SDS number	20368
Signature	Aaron Saunders
Risk phrases in full	R10 Flammable. R53 May cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.
Hazard statements in full	EUH208 Contains Turpentine, oil, Citral, d-Limonene, GERANIOL , Cinnamal, Citronellal. May produce an allergic reaction.

Disclaimer

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.