

Material Safety Data Sheet

ACTIVE SEAL SPRAY

Infosafe No.: HYGTX
OBSOLETE Date: 01/05/2005
Obsolete by: BASIL V.R. GREATREX PTY.
LTD.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

ACTIVE SEAL SPRAY

Company Name

BASIL V.R. GREATREX PTY. LTD.

Address

Unit 14, 14 Stanton Road Seven Hills
NSW 2147 Australia

Emergency Tel.

0418 674 042

Telephone/Fax Number

Tel: +61 2 9620 4599

Fax: +61 2 9620 4699

Recommended Use

Activator for anaerobic sealants

Additional Information

ISS Code: ACTIV

2. HAZARD IDENTIFICATION

Hazard Classification

HAZARDOUS SUBSTANCE.

DANGEROUS GOODS.

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Risk Phrase(s)

R 12: Extremely flammable

R 36: Irritating to eyes

R 66 Repeated exposure may cause skin dryness or cracking

R 67 Vapours may cause drowsiness and dizziness

S 9: Keep container in a well ventilated place

S 23: Do not breathe aerosols

S 25 Avoid contact with eyes

S 33: Avoid the build-up of electrostatic charges

S 51: Use only in well ventilated areas

Other Information

The product is classified as hazardous according to EC directive 1999/45. Product under pressure. Protect from sun rays and do not expose to a temperature above 50 °C. Aerosol containers can burst and be projected violently thus triggering a dangerous spread of fire. Extremely flammable. Contact with eyes causes severe ocular lesions persisting for at least 24 hours.

Inhalation of vapours may cause drowsiness and dizziness. Repeated exposure to this product may cause skin dryness or cracking.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

Component Symbol/s R-Phrases or reason why it is indicated
No. CAS/EINECS/INDEX (for comprehensive phrases see point 16
OTHER INFORMATION)

Acetone F-Xi 11 36 66 67 --
EINECS: 200-662-2 '
INDEX: 606-001-00-8
Petroleum gas F+ 12 -- -- -- --
EINECS: 270-705-08
INDEX: 649-203-00-1

Ingredients

| Name | CAS | Proportion |
|---------------|------------|---------------------|
| Acetone | 67-64-1 | 75÷100 % of weight* |
| Petroleum gas | 68476-86-8 | 10÷30 % of weight* |

Other Information

* upper limit included

4. FIRST-AID MEASURES

Inhalation

Ventilate the area. Remove the person from the contaminated area and make him rest in a well ventilated place. If the victim feels unwell seek medical advice.

Ingestion

CALL A DOCTOR. Do not induce vomiting. Do not give anything unless under the specific advice of the doctor contacted. While waiting for the doctor, make the accident victim rest.

Skin

Remove contaminated clothing immediately and wash parts which have come into contact with the product with plenty of soap and water. Seek medical advice if irritation persists.

Eye

SEEK SPECIALIST ADVICE. Remove any contact lens if present and if easily feasible. Immediately rinse with plenty of running water for at least 15 minutes, keeping eyelids open. Protect eyes with sterilized gauze until the doctor arrives.

5. FIRE-FIGHTING MEASURES

Fire Fighting Measures

Product under pressure in a tight metal container (test pressure max 15 bars). Cool containers down using atomized water and try and move them away from fire. When heated aerosol containers burst and may be violently projected at a distance (wear a safety helmet to protect your head).

Suitable Extinguishing Media

Chemical powder, foam, carbon dioxide according to material involved in the fire.

Specific Methods

Wear protective helmet and clothing. Atomized water may be used to protect fire fighting people. You are advised to use selfbreathing apparatuses in particular when working in confines spaces or areas with poor ventilation and when using halogenated extinguishing agents (halon 1211 fluobrene, solkane 123, naf, etc.).

Specific Hazards

Thermal decomposition creates fumes potentially harmful to the health.

Hazchem Code

2YE

Unsuitable Extinguishing Media

Direct water jet.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Considering the aerosol bomb tightness, it is very unlikely that great quantities may spread. Nevertheless, should any container be damaged in such a way to cause spill, isolate the bomb in hand and take it into the open air or cover it with inert or incombustible material (ex. sand, earth, vermiculite). Dispose of the residue in compliance with existing laws.

Spills & Disposal

Hand the product over to specialized firms only. Contain or absorb spill by using inert absorbing material (sand, earth, sepiolite, other specific products) and put damaged containers in a container provided with a cover.

Personal Protection

Move away from the surrounding area bearing in mind that any overheating may project the bomb to a great distance.

Environmental Precautions

Isolate the bomb/s in hand covering it/them with inert or incombustible material (ex. sand, earth, vermiculite).

7. HANDLING AND STORAGE

Precautions for Safe Handling

Vapours are heavier than air. Hence they may spread at ground level and form explosive mixtures with air. Avoid formation of flammable or explosive concentrations in the air. Container under pressure: do not drill or blaze after use. Do not spray on flame or incandescent bodies. Use only in a well-ventilated area.

Conditions for Safe Storage

Container under pressure. Store in a ventilated area. Keep in its original container away from heat and sunrays.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

| SUBSTANCE | TLV/TWA | TLV/STEEL | SOURCE |
|-------------------------|------------------------|-----------|----------------|
| Acetone | 1210 mg/m ³ | -- | Decree 26/2/04 |
| Petroleum gas (C1 – C4) | -- | 1000 ppm | ACGIH (2008) |

Engineering Controls

Environmental Exposure Control:

Minimize the release of product into the environment.

Respiratory Protection

Use in well-ventilated areas. Do not smoke during its use.

Eye Protection

Wear safety goggles in compliance with standard EN 166.

Hand Protection

Wear protective gloves in compliance with standards EN 374-1; EN 374-2; EN 374-3

Body Protection

Avoid contact with skin. Preferably use antistatic cotton clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Colourless liquid

Odour

Characteristic

Boiling Point

Not available

Solubility in Water

Partially soluble

Specific Gravity

0.712 ± 0.050 of the liquid phase

Not available of the mixture

pH Value

Not subjectable as sampled

Flash Point

<0°C of the liquid phase (c.c.)

Flammability

Extremely flammable

Auto-Ignition Temperature

~360°C

Flammable Limits - Lower

1.8 %

Flammable Limits - Upper

9.5 %

Other Information

Liposolubility: Total

Container volum : 270 ml

Product volume: 200 ml

Pressure at 20°C: Not available

Container deformation pressure: Not available

Container bursting pressure: Not available

VOC (Directive 99/13/CE): 100%

Properties indicated are not standard specifications of the product; for the latter refer to the special analysis form

10. STABILITY AND REACTIVITY

Stability and reactivity

The aerosol product keeps stable for more than 36 months. Under ordinary conditions of storage no hazardous reactions can occur since its container is nearly tight.

Conditions to Avoid

To avoid the deterioration of the container metal, keep it away from acid or alkaline reaction products. Beware of heat; temperatures exceeding 50°C make the pressure inside the container increase such as to cause the bomb deformation and its consequent explosion.

Incompatible materials

Strongly acids and basic substances and products and oxidizing agents in general.

Hazardous Decomposition Products

Fumes potentially harmful to human health.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Oral

It may cause abdominal pain, stomach burning, nausea and vomiting.

Acute Toxicity - Inhalation

Prolonged exposure to fumes of solvent-based aerosol products can cause irritation to mucous and respiratory tract.

Symptoms manifest under the form of headache, dizziness, giddiness and in extreme cases loss of consciousness. High concentrations (difficult to attain under normal conditions of use) exert a narcotic action.

Eye Irritation

Redness and lachrymation. Possible ocular lesions in case of direct and prolonged jets. (pure product)

Skin Irritation

Risk of dermatitis, irritation, dryness and cracking due to the degreasing agent. (pure product)

12. ECOLOGICAL INFORMATION

Ecological information

Use the product according to good working practices and avoid releasing into the environment.

Ecotoxicity

Considered non-dangerous for aquatic species.

Tests carried out on the following species gave results hereunder:

Cyprinidae LC50/96h 7280-8140 mg/litre

Daphnia EC50/24h 31000 mg/litre

Toxic concentration limit (inhibition tests of the cell multiplication) algae: 7500 mg/litre

The product should not have negative effects on biological treatment plants.

Persistence / Degradability

The product is easily biodegradable. It does not contain surfactants.

Mobility

The product base can be quickly transported from surface or underground water due to its high Hydrosolubility. The product volatilizes quickly into the air and is barely absorbed by the earth.

Bioaccumulative Potential

The product has a low bioaccumulation potential

Other Information

PBT evaluation results:

Data not available.

Other harmful effects:

Data not available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

After use, dispose of the residues according to regulations in force giving empty containers to a licensed professional waste disposal equipped to handle pressurized containers holding liquids and residual flammable gases safely. If exposed to more than 70°C the empty container may explode.

14. TRANSPORT INFORMATION

Transport Information

Air (IATA): 2.1

Sea (IMO): Class 2.1 – Ems: F-D, S-U

UN No.: 1950 – Flammable AEROSOL (maximum 1 litre)

Road/Rail (ADR/RID): 2.5 F – Label 2.1 – Packing group NON FORESEEN - Limited quantity

U.N. Number

1950

Proper Shipping Name

AEROSOLS

DG Class

2.1

Hazchem Code

2YE

IERG Number

49

15. REGULATORY INFORMATION

Regulatory information

Classification and labelling:

WARNING

Container under pressure. Protect from sunrays and keep under 50°C. Do not drill or burn after use. Do not spray on flames or on incandescent bodies. Keep away from any combustion sources. – Do not smoke. Keep out of children's reach.

D.L. 19/9/94 n° 626 – TITLE VII:

It does not contain carcinogen substances according to art.61.

Ec regulation 648/2004 relevant to detergents:

This detergent does not fall into the Regulations application field.

16. OTHER INFORMATION

Other Information

Manufacturer company: FACOT CHEMICALS s.n.c. - Via Crema, 44 - 26010 CAPRALBA (CR)

tel. 0373 450642 - fax 0373 450751 - e-mail: info@facot.it www.facot.it

R 11: Highly flammable

R 12: Extremely flammable

R 36: Irritating to eyes

R 66: Repeated exposure may cause skin dryness or cracking

R 67: Vapours may cause drowsiness and dizziness

Information on training:

FACOT CHEMICALS s.n.c. demands the Client receiving this MSDS to read instructions well to be informed on the possible risks from its use and recommends the spreading of this information to workers and to all the people that may get in contact with the product. In the event the product is given to other people, you shall be obliged to supply them with a copy of the present document to allow the spreading of its information. If you may need some information to be cleared up, contact the person responsible at the e-mail address specified at point 1 (IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDER TAKING).

Main bibliographical sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

CESIO - Classification and labelling of anionic, nonionic surfactants (1990)

ECDIN - Environmental Chemicals Data and Information Network

PHATOX - Pharmacological and Toxicological Data and Information Network

Normative reference:

This MATERIAL SAFETY DATA SHEET has been drawn up according Regulation EC 1907/2006 of 18/12/2006.

Sheet drawn by a competent technician: W. Gusmeri

= modified sections – new version

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