

Material Safety Data Sheet

According to 91/155 EEC

Printing date 11.12.2005

Reviewed on 11.12.2005

1 Identification of the substance/preparation and of the company/undertaking

- Product details

- Trade name: ergo 9195 Aerosol

- Application of the substance / the preparation CA-Cleaner

- Manufacturer/Supplier:

EDL Fasteners Ltd

70 Richard Pearse Drive

Mangere, Manukau, NZ

Ph: +64 (9) 257 5959 Fax: +64 (9) 257 5844

- Further information obtainable from: NZ Poisons Information Centre 24hr Service: 0800 764 766

- Information in case of emergency: NZ Emergency_Services: 111

2 Composition/information on ingredients

- Chemical characterization

- Description: Active substance with propellant

- Dangerous components:

CAS: 67-63-0 EINECS: 200-661-7 EU Number: 603-117-00-0	propan-2-ol	Xi, F; R 11-36-67	≥30%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide		<5%
CAS: 106-97-8 EINECS: 203-448-7 EU Number: 601-004-00-0	butane	F+; R 12	<5%

- Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard description:



Xi Irritant
F+ Extremely flammable

- Information concerning to particular hazards to man and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

Has a narcotizing effect.

R 12 Extremely flammable.

R 36 Irritating to eyes.

R 67 Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Buildup of explosive mixtures possible without sufficient ventilation.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

- Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

- General information: Remove any clothing soiled by the product.

- After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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- In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** After contact with skin, wash with plenty of soap and water.
- **After eye contact:**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
If swallowed, do not induce vomiting; seek medical advice and show this container or label.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Avoid contact with the eyes and skin.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Absorb liquid components with liquid-binding material.
Dispose of the material collected according to regulations.
- **Additional information:** Fumes can combine with air to form an explosive mixture.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.
Buildup of explosive mixtures possible without sufficient ventilation.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

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8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- Ingredients with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol

BAT (Germany)	Grenzwert: 50 mg/l (Aceton: Vollblut bzw. Urin)
MAK (Germany)	500 mg/m ³ , 200 ppm
MAK (TRGS 900) (Germany)	500 mg/m ³ , 200 ppm
	Y; DFG
WEL (Great Britain)	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm

124-38-9 carbon dioxide

MAK (Germany)	9100 mg/m ³ , 5000 ppm
MAK (TRGS 900) (Germany)	9100 mg/m ³ , 5000 ppm
	DFG, EU
WEL (Great Britain)	Short-term value: 27400 mg/m ³ , 15000 ppm Long-term value: 9150 mg/m ³ , 5000 ppm

106-97-8 butane

MAK (Germany)	2400 mg/m ³ , 1000 ppm
MAK (TRGS 900) (Germany)	2400 mg/m ³ , 1000 ppm
	DFG
WEL (Great Britain)	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm

- **Additional information:** The lists valid during the making were used as basis.

- Personal protective equipment:

- General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.

- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

- Protection of hands:

Protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Avoid contact with the eyes.

9 Physical and chemical properties

- General Information

Form:	Aerosol
Colour:	Clear
Odour:	Alcohol-like

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- Change in condition
Melting point/Melting range: Not applicable, as aerosol.

Boiling point/Boiling range: Not applicable, as aerosol.

- Flash point: Not applicable, as aerosol.

- Self-igniting: Product is not self-igniting.

- Danger of explosion: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Buildup of explosive mixtures possible without sufficient ventilation.

- Density at 20°C: 0,785 g/cm³
- Solubility in / Miscibility with water: Fully miscible.

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

- Dangerous reactions

Danger of bursting.

Forms explosive gas mixture with air.

- Dangerous decomposition products:

No dangerous products of decomposition if used and stored according to specifications.

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
- on the skin: Frequent and/or persistent contact with skin may cause skin irritation.

- on the eye: Irritating effect.

- Sensitization: No sensitizing effects known.

- Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

No experimentally found toxicological data are available for this preparation.

12 Ecological information

- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Water hazard class (German Regulation) is valid for the active agent.

13 Disposal considerations

- Product:
- Recommendation Disposal must be made according to official regulations.

- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

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14 Transport information

- Land transport ADR/RID (cross-border)



- ADR/RID class: 2 5F Gases.
- UN-Number: 1950
- Packaging group: -
- Hazard label: 2.1
- Description of goods: 1950 AEROSOLS

- Maritime transport IMDG:



- IMDG Class: 2
- UN Number: 1950
- Label: 2.1
- Packaging group: -
- EMS Number: F-D,S-U
- Proper shipping name: AEROSOLS

- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 2.1
- UN/ID Number: 1950
- Label: 2.1
- Packaging group: -
- Proper shipping name: AEROSOLS, flammable

15 Regulatory information

- Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- Code letter and hazard designation of product:



Xi Irritant
F+ Extremely flammable

- Risk phrases:

- 12 Extremely flammable.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness.

- Safety phrases:

- 23 Do not breathe vapour/spray.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 33 Take precautionary measures against static discharges.
- 60 This material and its container must be disposed of as hazardous waste.

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- Special labelling of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Buildup of explosive mixtures possible without sufficient ventilation.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

- National regulations:**- Waterhazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Water hazard class (German Regulation) is valid for the active agent.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases

11 Highly flammable.

12 Extremely flammable.

36 Irritating to eyes.

67 Vapours may cause drowsiness and dizziness.

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