

SAFETY DATA SHEET

VOLTRONIC AIR-CON CLEANER (FOAM) AC20

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Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: VOLTRONIC AIR-CON CLEANER (FOAM) AC20

Product code: AC 20

Synonyms: KLIMAAANLAGEN-REINIGER (SCHAUM)

Use of substance / preparation: Cleaner Aerosol

Company name: VOLTRONIC & ACT GmbH

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2. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable.

Other hazards: In use, may form flammable / explosive dust-air mixture. Harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: DIDECYLDIMETHYLAMMONIUM CHLORIDE 1-10%

EINECS: 230-525-2 CAS: 7173-51-5

[Xn] R22; [C] R34

- 1-METHOXY-2-PROPANOL 1-10%

EINECS: 203-539-1 CAS: 107-98-2

[-] R10

- PROPAN/BUTAN 30-50%

CAS: 68131-75-9

[F+] R12

4. FIRST AID MEASURES (SYMPTOMS)

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Water spray. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.

Exposure hazards: Extremely flammable. Forms explosive air-vapour mixture.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. Mechanically ventilate the spillage area whilst avoiding the formation of explosive concentrations - see section 9 of SDS.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Mix with sand or vermiculite.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden.

Storage conditions: Store in cool, well ventilated area. Ensure lighting and electrical equipment are not a source of ignition. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: 1-METHOXY-2-PROPANOL
WEL (8 hr exposure limit): 375 mg/m³ WEL (15 min exposure limit): 560 mg/m³

- PROPAN/BUTAN
WEL (8 hr exposure limit): 1000 WEL (15 min exposure limit): 4

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Hand protection: Protective gloves. Breakthrough time of the glove material > 4 hours.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Pale yellow

Odour: Characteristic odour

Solubility in water: Soluble

Viscosity: Non-viscous

Flammability limits %: lower: 2,0

upper: 12,0

Flash point°C: <-5
Autoflammability°C: 340
Vapour pressure: 3,5b/20°C;6,5b/50°C
Relative density: 0,78
pH: 9

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat. Sources of ignition.
Materials to avoid: Strong oxidising agents.
Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: DIDECYLDIMETHYLAMMONIUM CHLORIDE
IPR RAT LD50 45 mg/kg
ORL MUS LD50 268 mg/kg
• 1-METHOXY-2-PROPANOL
IVN RAT LD50 4200 mg/kg
ORL MUS LD50 11700 mg/kg
ORL RAT LDLO 3739 mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Non-volatile.
Persistence and degradability: Only slightly biodegradable.
Bioaccumulative potential: Bioaccumulation potential.
Other adverse effects: Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal operations: D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are disposed of by means of any of the operations in this Annex (e.g. evaporation, drying, calcination, etc.).
R1 Solvent reclamation/regeneration.
Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1950
Classification code: 5F

ADR Class: 2

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Shipping name: AEROSOLS (PROPAN/BUTAN)

Labelling: 2.1



IMDG / IMO

UN no: 1950

Class: 2

EmS: F-D,S-U

Marine pollutant: .

Labelling: 2.1

IATA / ICAO

UN no: 1950

Class: 2

Labelling: 2.1

15. REGULATORY INFORMATION

Hazard symbols: Extremely flammable.



Risk phrases: R12: Extremely flammable.

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

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.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

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

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.

Water hazard class: 2 Classification by VwVwS

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.

16. OTHER INFORMATION

Risk phrases used in s.3: R22: Harmful if swallowed.

R34: Causes burns.

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R10: Flammable.

R12: Extremely flammable.

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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.