

SAFETY DATA SHEET

VOLTRONIC ELEKTRONIC AND UNIVERSAL SPRAY M20

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Issued: 18.03.2008

Revision No: 1

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

Product name: VOLTRONIC ELEKTRONIC AND UNIVERSAL SPRAY M20

Product code: M 20

Synonyms: ELEKTRONIKSPRAY
MULTISPRAY

Use of substance / preparation: Contactspray Universalspray

Company name: VOLTRONIC & ACT GmbH

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2. HAZARDS IDENTIFICATION

Main hazards: Repeated exposure may cause skin dryness or cracking.

Other hazards: In use, may form flammable / explosive vapour-air mixture. Harmful: may cause lung damage if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: 2-(2-BUTOXYETHOXY)ETHANOL 1-10%

EINECS: 203-961-6 CAS: 112-34-5

[Xi] R36

- HYDROCARBONS, DEAROMAT. 70-90%

EINECS: 265-149-8 CAS: 64742-47-8

[Xn] R65; [-] R66

- KOHLENDIOXYD (CO²) 1-10%

EINECS: 2046969 CAS: 00124-38-9

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Damage to liver and kidneys may develop later.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

[cont...]

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 unconscious and breathing is OK, place in the recovery position.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Vapour may travel considerable distance to source of ignition and flash back.

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. If outside keep bystanders upwind and away from danger point.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Mix with sand or vermiculite. Refer to section 13 of SDS for suitable method of disposal.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Earth any equipment used in handling. Use non-sparking tools.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging. Steel drums. Polyethylene.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: 2-(2-BUTOXYETHOXY)ETHANOL
WEL (8 hr exposure limit): 100 mg/m³ WEL (15 min exposure limit): 100 mg/m³

- HYDROCARBONS, DEAROMAT.
WEL (8 hr exposure limit): 1000mg/m³, (200ppm)
- KOHLENDIOXYD (CO²)
WEL (8 hr exposure limit): 5000 ppm

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

Respiratory protection: Respiratory protection not required.

Hand protection: Gloves (solvent-resistant). 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:** Tan**Odour:** Characteristic odour**Evaporation rate:** Slow**Solubility in water:** Not miscible**Also soluble in:** Most organic solvents.**Viscosity:** Non-viscous**Viscosity value:** 1,5**Viscosity test method:** Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)**Boiling point/range°C:** 180-320**Flammability limits %: lower:** 0,8**upper:** 8,0**Flash point°C:** 78**Autoflammability°C:** >250**Vapour pressure:** 6bar/20°C;9bar/50°C**Relative density:** 0,79**VOC g/l:** 728**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Heat. Flames. Sources of ignition.**Materials to avoid:** Strong oxidising agents.**11. TOXICOLOGICAL INFORMATION****Acute toxicity:** VOLTRONIC ELEKTRONIC AND UNIVERSAL SPRAY M20

IHL RAT LC50 >5 mg/kg

IPR RAT LC50 >3000 mg/kg

ORL RAT LD50 >5000 mg/kg

Hazardous ingredients: 2-(2-BUTOXYETHOXY)ETHANOL

ORL MUS LD50 6050 mg/kg

ORL RAT LD50 4500 mg/kg

- HYDROCARBONS, DEAROMAT.

ORL RAT LD50 >2000 mg/kg

SKN RBT LD50 >2000 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Ecotoxicity: VOLTRONIC ELEKTRONIC AND UNIVERSAL SPRAY M20
FISH 96H LC50 1 - 10 mg/l

Mobility: Floats on water.

Persistence and degradability: Photodegradable. Biodegradable.

Bioaccumulative potential: No 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

ADR Class: 2

Classification code: 5F

Shipping name: AEROSOLS (KOHLENDIOXYD (CO₂); HYDROCARBONS, DEAROMAT.)

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: Symbol not required.

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Risk phrases: R66: Repeated exposure may cause skin dryness or cracking.

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.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

Water hazard class: 1 Classification by VwVwS

Air emission directive: Amount m%: 100

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: R36: Irritating to eyes.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

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.