



Safety Data Sheet

according to Regulation (EU) No. 1907/2006

890.000 Aktivator - CA-Accelerator

Print date: 11.10.2009

Product code: 890

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General information

Victim to lie down in the recovery position, cover and keep him warm.

After inhalation

S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of shortness of breath, give oxygen. If symptoms persist, call a physician. In the case of inhalation of aerosol/mist consult a physician if necessary.

After contact with skin

In case of shortness of breath, give oxygen. If symptoms persist, call a physician.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

After ingestion

Aspiration may cause pulmonary oedema and pneumonitis. Do not induce vomiting. Call a physician immediately.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

carbon dioxide (CO₂) S43 - In case of fire, use sand, dry chemical or alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons

high volume water jet

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

In the event of fire the following can be released: carbon dioxide (CO₂) Carbon monoxide

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Additional information

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. S41 - In case of fire and/or explosion do not breathe fumes. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Keep people away from and upwind of spill/leak. S36/37 - Wear suitable protective clothing and gloves. Avoid contact with skin and eyes.

Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

Additional information

None known.

7. Handling and storage

Handling



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Advice on safe handling

S51 - Use only in well-ventilated areas. Do not inhale aerosol. Keep away from heat and sources of ignition. Do not smoke. Take measures to prevent the build up of electrostatic charge.

Advice on protection against fire and explosion

The pressure in sealed containers can increase under the influence of heat. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

Storage

Requirements for storage rooms and vessels

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Consider German TRG 300 (pressurised gas containers).

Advice on storage compatibility

S13 - Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep at temperatures between 10 and 40°C.

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
74-98-6	Propane (OLD)				TWA (8 h)	OES
					STEL (15 min)	OES

Additional advice on limit values

The classification corresponds to the current EC listing, but is enhanced by specialised literature data and the Company's own information.

Exposure controls

Occupational exposure controls

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Protective and hygiene measures

When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product. Use protective skin cream before handling the product. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. (gas filter type A2)

Hand protection

solvent-resistant gloves: nitrile rubber,
butyl-rubber, fluoroc rubber
Test suitability of gloves before use.

Eye protection

tightly fitting safety goggles

Skin protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective

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suit.

9. Physical and chemical properties**General information**

Physical state: aerosol
Colour: colourless
Odour: mild

Important health, safety and environmental information

	Test method
pH-Value:	not applicable
Changes in the physical state	
Boiling point:	< -20 °C Compressed gas
Flash point:	< -20 °C
Flammability	
Gas:	235 °C °C
Lower explosion limits:	1,5 vol. %
Upper explosion limits:	10,5 vol. %
Vapour pressure: (at 20 °C)	42 hPa
Vapour pressure: (at 50 °C)	75 hPa
	0,6 g/cm ³
Water solubility:	insoluble
Solvent content	
35 %	

10. Stability and reactivity**Conditions to avoid**

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.
Consider German TRG 300 (pressurised gas containers).

Materials to avoid

None known.

Hazardous decomposition products

Heating can release hazardous gases. In the event of fire the following can be released: carbon dioxide (CO₂) Carbon monoxide

11. Toxicological information**Acute toxicity**

no data available

Specific effects in experiment on an animal

no data available

Corrosive and irritant effects

no data available

Sensitising effects

no data available



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Severe effects after repeated or prolonged exposure

no data available

Carcinogenic/mutagenic/toxic effects for reproduction

no data available

12. Ecological information

Ecotoxicity

No data is available on the product itself.

Mobility

No data is available on the product itself.

Persistence and degradability

No data is available on the product itself.

Bioaccumulative potential

No data is available on the product itself.

Other adverse effects

No data is available on the product itself.

Further information

Propellant contains no chlorinated fluorocarbons (CFC).

13. Disposal considerations

Advice on disposal

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Waste codes should be assigned by the user based on the application for which the product was used.

Waste disposal number of waste from residues/unused products

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures
Classified as hazardous waste.

Waste disposal number of used product

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

Contaminated packaging

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Waste codes should be assigned by the user based on the application for which the product was used.

14. Transport information

Land transport (ADR/RID)

UN number:

1950

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ADR/RID class: 2
Classification code: 5F
Warning plate
Hazard label: 2.1



Limited quantity: LQ2
Tunnel restriction code: D

Description of the goods

AEROSOLS

Other applicable information (land transport)

LQ 2 dangerous goods in limited quantities of class/classes 2
: 190 - 327 - 625
: 2
E0

Inland waterways transport

UN number: 1950
ADNR class:
2
Classification code: 5F
Hazard label: 2.1



Limited quantity: LQ2

Description of the goods

AEROSOLS

Other applicable information (inland waterways transport)

: 190 327 625
E0

Marine transport

UN number: 1950
IMDG code: 2
Marine pollutant: •
Hazard label: 2, see SP63

IMDG packing group: -
EmS: F-D, S-U
Limited quantity: See SP277

Description of the goods

AEROSOLS

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Other applicable information (marine transport): 63, 190, 277, 327, 959
E0**Air transport**UN/ID number: 1950
ICAO/IATA-DGR: 2.1
Hazard label: 2.1

Limited quantity Passenger: 30 kg G

IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg**Description of the goods**

AEROSOLS

Other applicable information (air transport): -
: A1
E0
: Y203
Special provisions: A145 - A153

15. Regulatory information

Labelling

Danger symbols:

F+ - Extremely flammable; Xi - Irritant; N - Dangerous for the environment



F+ - Extremely flammable



Xi - Irritant



N - Dangerous for the environment

R phrases12 Extremely flammable.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.**S phrases**

23 Do not breathe Aerosol.

Special labelling for certain preparations

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.

Additional advice on labelling

Classification according to European directive on classification of hazardous preparations

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1999/45/EC.

EU regulatory information

1999/13/EC (VOC): 30 % (180 g/l)

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

Additional information

Occupational restrictions for pregnant and breast feeding women Take note of Dir 94/33/EC on the protection of young people at work.

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

- | | |
|----------|---|
| 11 | Highly flammable. |
| 12 | Extremely flammable. |
| 23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| 33 | Danger of cumulative effects. |
| 38 | Irritating to skin. |
| 51 | Toxic to aquatic organisms. |
| 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 52 | Harmful to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 65 | Harmful: may cause lung damage if swallowed. |
| 67 | Vapours may cause drowsiness and dizziness. |

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)