

EC-Safety Data Sheet

for chemical substance and mixtures 91/155/EWG

Date: 21.08.08

last revision : 01.07.08

1. Substance-/Producing- and Company name:

Trade name: **SPR-500- Stanzplattenreiniger**
Producer: TechnikService Hückeswagen GmbH & Co. KG
Heinrich- Schicht- Str.8
D-42499 Hückeswagen

Phone: 02192 / 935670
Information in case of emergency: 0551 / 19240

2. Composition/information about ingredients:

Chemical compound: **mixture of solvents, propellant: carbondioxide**

Dangerous contents:

CAS-No.	name	weight%	symbol	R-clauses
00124-38-9	carbon dioxide	1- ≤ 5		
67-64-1	ketone	10 - ≤ 20	F/ Xi	11, 36, 66, 67
647425-49-0	hydrocarbon aromat-free	60- 80	F/Xn/N	11, 38, 51/53, 65, 67

3. Possible dangers:

Highly flammable. In use, may form explosive/highly flammable vapour-air mixture. Harmful, may cause lung damages if swallowed. Irritant. Irritating to eyes and skin. Harmful to the environment, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

4. First Aid measures:

Inhalation: Inhale fresh air, if necessary give breathing help
Contact with the eyes: Rinse opened eye with plenty of water, consult doctor
Contact with the skin: Wash skin with soap and water, cream skin
Swallowing: Do not cause vomiting. Consult doctor

5. Fire fighting measures:

Extinguish substance: Carbondioxide, foam, dry extinguish substance.
Do not extinguish outrunning, burning substance with water jet.
In case of fire, put intact cans immediately out of dangerous area, if necessary cool with water, burst danger!

6.: Measures in case of unintentional release:

Pick out leaky cans and dispose them of as described in the disposal information.

7. Operation and storage:

Operation: Use only in good ventilated areas. In use, may form explosive/highly flammable vapour-air mixture. If necessary ex-protection.
Storage: Protect from sun, don't take it with you in the interior of cars. Follow the storage regulations of the TRG 300 for flammable aerosols. Storage only in good ventilated areas. Temperatures of storage never over 50°C.

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8. Limit of explosion and personal protective equipment:

Contains carbon dioxide (MAK-Value 5000 ppm, 8hrs middle value), ketone (MAK-Value 500 ppm) and aromat-free hydrocarbons (MAK-Value 200 ppm)

Breathing protection: **If the MAK values and other limits are observed permanently and certainly and the ventilation is adequate, there are normally no special measures needed.**
Do not inhale aerosol – if necessary breathing protection

Eye protection: **Tightly sealed safety goggles**

Skin protection: **Protective gloves** – The material of the gloves has to be impermeable and resistant against the composition. Due to missing tests no recommendation to the glove material can be given for the preparation. Selection of the glove material on consideration of the penetration times, permeation rate and the decomposition.

Glove material: 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 the glove material: The exact point of penetration has to be found out by the manufacturer of the protection gloves and has to be observed.

Other: *.i.*

Work hygiene: **Wash hands with water and soap after work or before breaks.**
Do not eat, drink or smoke while working.

9. Physical and chemical properties:

Form: aerosol	colour: colourless Value(s)	smell: like solvents tested according to:
Range of condition:	not applicable	
Flashpoint:	not applicable	
Temperature of ignition:	app.300° C	spray mist
Limit of explosion upper	12,7 Vol.%	
lower	0,8 Vol.%	
Steam pressure (20°C)	3,0 bar	interior can pressure
(50°C)	6,0 bar	interior can pressure
Density at 20°C	0,74g/ml	calculated
Solubility at 20°C	insoluble in water	
pH-value at 20°C	not applicable	
Viscosity at 23°C	not applicable	
Other informatin:		

10. Stability and reactivity:

Thermal decomposition products: **none, when used according to regulations**
 Dangerous decomposition products: **none, when used according to regulations**
 Dangerous reactions: **at temperatures over 50°C burst danger of the cans.**

11. Information about toxicology:

Contains carbon dioxide (MAK-Value 5000 ppm, 8hrs average value, short-time value up to 10000ppm possible), ketone (MAK-Value 500 ppm) and aromat-free hydrocarbons (MAK-Value 200 ppm). Inhalation of solvent and propellant vapours may lead to narcotic symptoms. Toxical properties of the preparation are unknown.

12. Information about ecology:

Water danger classification (WGK): **2** self classification

Causes contamination to water. Do not allow to enter sewerage system or stretches of water.

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13. Information about disposal:

Empty cans completely (propellant included). After that no special measures for empty cans.
Waste key number: 150104 packings made of metal
Waste key number for cans with rest contents: 150110 packings which contain dangerous substances or which are contaminated by dangerous substances.
 Full cans, also cans with remains, must be disposed of as special waste.

14. Transport instructions:

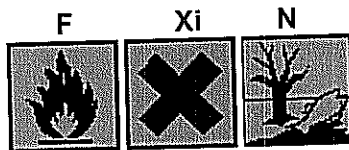
ADR	UN 1950 PROPELLANT PACKINGS	Class: 2 No. 5 F	LQ2
GGVSE	UN 1950 PROPELLANT PACKINGS	Class: 2 No. 5 F	LQ2
GGVSee/IMDG	Aerosols containing carbon dioxide	Class:2 UN-No. 1950	Page 2102 Ems.-No.2-13 Pkg-Size MFAG-Nr.620
ICAO/IATA-DRG	Aerosols flammable, n.o.s. containing carbon dioxide	Class: 2.1 Un-No. 1950	Sub.-Risk Pkg.-Gr. II Pkg-Notes: Cargo 203/150 kg Pass.:203/75 kg

Other information: -.-

15. Regulations:

Ordinance on Hazardous Substances / TRG 300

Labelling required



Hazard symbols:

Indication of danger:

Highly Flammable, Irritant, Hazardous to the environment

Can is under pressure. Protect from sun and temperatures over 50°C. Do not open can by force and do not burn can, also after use. Do not spray into flames or on glowing objects. Keep away from sources of ignition - do not smoke. Keep out of the reach of children. In use, may form explosive/highly flammable vapour-air mixture. Do not inhale spray mist. Use only in good ventilated areas. Irritating to skin. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow to enter sewerage system. This product and its containers have to be disposed of as special waste. Please bring only cans to the recycling which have been emptied completely.

16. Other information:

Testpressure of the used cans: 12 bar

R-clauses of point 2:

R11	Highly flammable
R38	Irritating to skin
R36	Irritating to eyes
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful, may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

This Safety-data-sheet is only valid for cans which contain up to 600 ml.
Does not contain chlorinatedhydrocarbon (CHC)
Does not contain chlorofluorocarbon (CFC)

This information is based on our todays knowledge and does not assure certain properties of the product in the legal sense. Legislative regulations have to be considered at one's own risk. The company can not be hold responsible for any damage caused during use of the product named above or contact with the product named above.