

## EC-Material Safety Data Sheet according 91/155/EWG

Date of issue: 30.01.03

Revision date: 21.03.02

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### **1. Chemical product and company identification**

Tradename: **PU-Cleaner**

Manufacturer/Supplier: AUTRA Aerosol GmbH & Co. KG  
Giebelstadter Weg 16  
D - 97234 Reichenberg - Albertshausen

Telephone: 09366/9071-0      Telefax: 09366/9071-22  
Emergency information: 09366/9071-0

### **2. Composition/information on ingredients**

Chemical characteristics: Cleaner based on acetone.  
Propellant: Carbon dioxide, Propane/Butane mixture.

#### Hazardous components:

CAS-Number	Hazardous components	Concentr.-%	Symbols	R-phrases
74-98-6/106-97-8	Propane/Butane	5-20	F+	12
00124-38-9	Carbon dioxide	1-5		
67-64-1	Acetone	75-90	F, Xi	11, 36, 66, 67

### **3. Possible dangers**

Extremely flammable. In use, may form flammable/explosive vapour-air mixture, particularly on the ground. Irritant. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

### **4. First-aid measures**

Inhalation:  
Ensure supply of fresh air. Use mouth-to-mouth or mouth-to-nose resuscitation.

Eye contact:  
Rinse thoroughly with plenty of water at open eye lid and seek medical advice.

Skin contact:  
Wash with plenty of water and soap. After that moisture the skin.

Further information:  
After swallowing immediately consult a doctor for medical advice.

### **5. Fire-fighting measures**

Suitable extinguishing media: foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media: water spray jet

### **6. Accidental release measures**

Environmental measurements:

Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers

Cleaning-up method:

Absorb or contain liquid with sand, earth or spill control material. Sort out leaking cans and dispose off.

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### **7. Handling and storage**

Handling:

Use only in well-ventilated areas. Keep away from sources of ignition. Do not smoke. Do not spray in eyes. Protect against solar radiation.

Storage:

Observe storage regulations for aerosols (in Germany TRG 300). Store in well-ventilated areas only. Storage temperature never above 50°C . Do not carry in car-interior.

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### **8. Exposure controls and personal protection**

Contains Propane/Butane (MAC-value 1000 ppm) and Acetone (MAC-value 500 ppm).

Respiratory protection: In unventilated areas.

Eye protection: Wear goggles during treatment of large quantities

Skin protection: Wear protective gloves.

Industrial hygiene: After work-time and during work intervals the affected skin areas must be thoroughly cleaned. At work do not eat, drink, smoke or take drugs.

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### **9. Physical and chemical data**

Physical state	Aerosol		
Colour:	Colourless		
Odour:	characteristic like acetone		
Change of physical state:	not applicable		
Flash point:	not applicable		
Ignition point (spray mist)	>250°C		
Explosion limits	lower: 0,6 Vol.%	upper:	no data available
Vapour pressure [mbar]:	20°C: 4,2	50°C:	8,0
Density at 20°C [g/ml]:	0,78		
Solubility:	Partly soluble at water		
Octanol/water partition coefficient at 20°C	no data available		
Viscosity (mpas) at 20°C	no data available		

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**10. Stability and reactivity**

Thermal decomposition :  
None at appropriate use.

Hazardous decomposition products  
None at appropriate use.

Hazardous reactions:  
At temperatures above 50°C danger of exploding cans.

**11. Toxicological information**

Contains Acetone (MAC-value 500 ppm).  
Inhalation of solvent vapours can lead to narcotic aspects.

**12. Ecological information**

Water hazard class: 1 (self-classification)  
Watercontaminating. Do not allow to enter soil, waterways or waste water.

**13. Waste disposal considerations**

For recycling, consult waste disposal centres.  
EAK-Number: 16 05 04

**14. Transport**

GGVS/ADR: 1950 Aerosols, 2 Item 5F ADR.

Class: 2                      Item: 5F                      Number: 2201  
UN-number: 1950

GGVE/RID: 1950 Aerosols, 2 Item 5F RID.

Class: 2                      Item: 5F                      Number: 201  
UN-number: 1950

GGVSee/IMGD: Aerosols

Class: 2.1                      Page: 2102                      Pkg-Gr.:  
UN-Number: 1950              EmS-No.: 2-13                  MFAG-No.: 311

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#### **14. Transport**

ICAO/IATA-DGR: Aerosols flammable, n.o.s., containing propane/butane.

Class: 2.1

Sub.-Risk: 3

Pkg.-Gr.: II

UN-No.: 1950

Pkg-Notes; Pass. 203/75 kg, Cargo 203/150 kg

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#### **15. Regulatory information**

The product is classified and labelled in accordance with EC directives / German regulations on dangerous substances.

Symbols: **F+**, **Xi**

Dangers: extremely flammable, irritant

Pressurised 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. In use, may form flammable/explosive vapour-air mixture. Do not breathe spray. Use only in well ventilated areas.

Irritating to eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Vapours may cause drowsiness and dizziness. Dispose of this material and its container to hazardous or special waste collection point. For proper disposal empty aerosol can completely.

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#### **16. Additional information**

Duplication without changes of the original version is allowed.