

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006

Stainless Steel Cleaning Spray

Print date: 13.03.2012

Product code: VB_55

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier**

Stainless Steel Cleaning Spray

Relevant identified uses of the substance or mixture and uses advised against**Details of the supplier of the safety data sheet**

Company name: ITW LLC & Co. KG
Street: Mühlackerstrasse 147
Place: D-75417 Mühlacker
Telephone: ++49(0)7041-96340 Telefax: ++49(0)7041-963429
e-mail: info@itwcp.de
Internet: www.itwcp.de
Responsible Department: Produktsicherheit

Emergency telephone: ++49(0)7041-96340
Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

SECTION 2: Hazards identification**Classification of the substance or mixture**

Indications of danger : Extremely flammable, Irritant

R-phrases:

Extremely flammable.

Risk of serious damage to eyes.

Label elements

Danger symbols:

F+ - Extremely flammable; Xi - Irritant



F+ - Extremely flammable

Xi - Irritant

R phrases

12 Extremely flammable.
41 Risk of serious damage to eyes.

S phrases

23 Do not breathe Aerosol .
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
39 Wear eye/face protection.
51 Use only in well-ventilated areas.

Special labelling of certain mixtures

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.

SECTION 3: Composition/information on ingredients**Mixtures**

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Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
200-578-6	ethanol, ethyl alcohol	10-20 %
64-17-5	F R11	
603-002-00-5	Flam. Liq. 2; H225	
	Liquefied petroleum gas (0,1% butadien)	10-20 %
68476-85-7	F+ R12	
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	5-10 %
67-63-0	F, Xi R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
	Tetraethyleneglycolmonododecylether	5-10 %
5274-68-0	Xi, N R41-50	
205-582-1	Lauric acid	1-5 %
143-07-7	N R51-53	
	Alkylglucoside	1-5 %
	Xi R41	
	Ethoxylated Alcohol	1-5 %
	Xi R41	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures**Description of first aid measures****After inhalation**

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures



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Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Extinguishing powder.

Extinguishing media which must not be used for safety reasons

Water with tenside additive. Water.

Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use a water spray jet to knock down vapours/gases/mists.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Wear a self-contained breathing apparatus and chemical resistant suit.

Environmental precautions

Do not empty into drains or the aquatic environment. Explosion hazard.

Methods and material for containment and cleaning up

Ventilate affected area.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

In case of open handling equipment with built-in suction must be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing.

SECTION 8: Exposure controls/personal protection

Control parameters

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Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
68476-85-7	Liquefied petroleum gas	1000	1750		TWA (8 h)	WEL
		1250	2180		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Exposure controls**Occupational exposure controls**

In case of open handling equipment with built-in suction must be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Take off immediately all contaminated clothing. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

DIN EN 374 Tested protective gloves are to be worn: Butyl rubber. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Eye protection

Tightly sealed safety glasses.

Skin protection

Protective clothing:

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	Aerosol
Colour:	off-white
Odour:	soap

Test method**Changes in the physical state**

Boiling point:	78 °C
Flash point:	12 °C
Lower explosion limits:	3,5 vol. %
Upper explosion limits:	15 vol. %
Ignition temperature:	400 °C
Density:	0,827 g/cm ³

SECTION 10: Stability and reactivity**Reactivity**

No data available

Chemical stability

No data available

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Possibility of hazardous reactions

No data available

Conditions to avoid

Keep away from heat. Ignition hazard.

Incompatible materials

No data available

Hazardous decomposition products

No data available

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
64-17-5	ethanol, ethyl alcohol					
	Acute oral toxicity		LD50	6200 mg/kg	Ratte	
	Acute inhalation toxicity		LC50	95,6 mg/l	Ratte	4

Irritation and corrosivity

Irritating to eyes. Risk of serious damage to eyes.

Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**Toxicity**

CAS No.	Chemical name	Aquatic toxicity	Method	Dose	Species	h
64-17-5	ethanol, ethyl alcohol					
	Acute crustacea toxicity		EC50	9268 - 14221 mg/l	Daphnia magna	48

Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No.	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31

Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products



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160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

UN number: UN1950
UN proper shipping name: AEROSOLS
Transport hazard class(es): 2
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 625
Limited quantity: 1 L
Transport category: 2
Tunnel restriction code: D

Other applicable information (land transport)

E0

Inland waterways transport

UN number: UN1950
UN proper shipping name: AEROSOLS
Transport hazard class(es): 2
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L

Other applicable information (inland waterways transport)

E0

Marine transport

UN number: UN1950
UN proper shipping name: AEROSOLS
Transport hazard class(es): 2
Packing group: -
Hazard label: 2, see SP63

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Special Provisions: 63, 190, 277, 327, 344, 959
Limited quantity: See SP277
EmS: F-D, S-U

Other applicable information (marine transport)

E0

Air transport

UN/ID number: UN1950
UN proper shipping name: AEROSOLS, flammable
Transport hazard class(es): 2.1
Hazard label: 2.1



Special Provisions: A145 A167
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

Other applicable information (air transport)

E0

: Y203

Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

1999/13/EC (VOC): 19,99 % (165,317 g/l)

National regulatory information**SECTION 16: Other information****Full text of R-phrases referred to under sections 2 and 3**

- 11 Highly flammable.
- 12 Extremely flammable.
- 36 Irritating to eyes.
- 41 Risk of serious damage to eyes.
- 50 Very toxic to aquatic organisms.
- 51 Toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.



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