



WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 1 of 9

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

1.1. Product identifier

WS-Edelstahl-Pflegespray

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Washing and cleaning products (including solvent based products)

Uses advised against

Do not use for products which come into contact with the food stuffs.

1.3. Details of the supplier of the safety data sheet

Company name:	Weigel + Schmidt Lackchemie GmbH	
Street:	Am Sportplatz 5	
Place:	D-63791 Karlstein-Dettingen	
Telephone:	+49 6188 9575-0	Telefax: +49 6188 9575-30
e-mail:	info@ws-lackchemie.de	
Responsible Department:	Abt. Produkt / Sicherheit	

1.4. Emergency telephone number: +49 6188 9575-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: F+ - Extremely flammable
R phrases:
Extremely flammable.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated exposure may cause skin dryness or cracking.

GHS classification

Hazard categories:
Aerosol: Aerosol 1
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: May burst if heated.
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Signal word: Danger
Pictograms: GHS02



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
------	---



WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 2 of 9

	smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P261	Avoid breathing Gas/fumes/vapour/spray.
P271	Use only outdoors or in a well-ventilated area.
P102	Keep out of reach of children.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
--------	---

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Aerosole

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
265-150-3	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	50 - < 55 %
64742-48-9	Xn - Harmful R65-66	
	Asp. Tox. 1; H304	
200-827-9	propane	20 %
74-98-6	F+ - Extremely flammable R12	
601-003-00-5	Flam. Gas 1; H220	
203-448-7	butane	20 %
106-97-8	F+ - Extremely flammable R12	
601-004-00-0	Flam. Gas 1; H220	
	White Oil	1 - < 5 %
	Asp. Tox. 1; H304	
304-454-3	Citrustrerpene	< 1 %
68647-72-3	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-38-50-53-65	
	Flam. Liq. 3, Skin Irrit. 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H304 H315 H400 H410	

Full text of R and H phrases: see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). No administration in cases of unconsciousness or cramps.

After inhalation

Provide fresh air. Put victim at rest, cover with a blanket and keep warm. If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

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



WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 3 of 9

immediately all contaminated clothing, including underwear and shoes. Wash thoroughly (shower or bath). After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Immediately get medical attention. Do not induce vomiting. Give nothing to eat or drink. Caution if victim vomits: Risk of aspiration!

4.2. Most important symptoms and effects, both acute and delayed

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause dermal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Extinguishing powder. Foam. Dry extinguishing powder. Carbon dioxide (CO₂). Water fog.

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Special exposure hazards arising from the substance itself, combustion products, resulting gases: Nitrogen oxides (NO_x). Carbon monoxide.

5.3. Advice for firefighters

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

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment. Use water spray/stream to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Remove all sources of ignition. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. Explosion hazard. Do not empty into drains or the aquatic environment. Retain contaminated washing water and dispose.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Treat the assimilated material according to the section on waste disposal. Suitable absorbing material: diatomaceous earth.

6.4. Reference to other sections

See protective measures under point 7 and 8.



WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 4 of 9

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Information for safe handling: In case of open handling equipment with built-in suction must be used.
The following must be prevented: inhalation. skin contact. Eye contact.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours may form explosive mixtures with air.

7.2. 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. Take precautionary measures against static discharges.
Only use material in places where open light, fire and other sources of ignition can be kept away. Keep
only in the original container in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing. Materials to avoid: Acid. Base. Oxidizing agents. Paper.

Further information on storage conditions

Store only in original container. Protect against: heat. Heating causes rise in pressure with risk of bursting.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
34950-94-8	Dipropylenglykolmonomethylether	50	310		TWA (8 h) STEL (15 min)	
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha		600		TWA (8 h) STEL (15 min)	
68647-72-3	Citrusterpene	100			TWA (8 h) STEL (15 min)	ppm ppm
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

Additional advice on limit values

source:

8.2. Exposure controls

Occupational exposure controls

Refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink. If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

Respiratory protection

Filter respirator (full mask or mouth-piece) with filter:



WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 5 of 9

Hand protection

Tested protective gloves are to be worn:
Suitable material: NBR (Nitrile rubber). , Butyl rubber.
Thickness of glove material: >0,4mm
penetration time (maximum wearing period): >480min
German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Eye protection

Suitable eye protection: Goggles.

Skin protection

Additional body protection measures: Do not eat, drink, smoke or sneeze at the workplace. Avoid contact with skin, eye and clothing. Wash hands before breaks and at the end of work. Set out skin protection guidelines.

Environmental exposure controls

Refer to chapter 7 No further action is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	characteristic
Odour:	characteristic

Test method

Changes in the physical state

Initial boiling point and boiling range:	-42 °C
Flash point:	-25 °C DIN EN ISO 1523
Lower explosion limits:	1,2 vol. %
Upper explosion limits:	13,8 vol. %
Ignition temperature:	273 °C DIN 51794

Auto-ignition temperature

Gas:	Propan / Butan
Vapour pressure: (at 20 °C)	3,2 hPa DIN EN 12
Density (at 20 °C):	0,7 g/cm³
Solvent content:	93 %
	VOC-value (in g/l): 651,0

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.2. Chemical stability

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.3. Possibility of hazardous reactions

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.4. Conditions to avoid

Keep away from heat. Ignition hazard. Danger of bursting container.

10.5. Incompatible materials

Reacts with : Alkalis (alkalis). Oxidizing agents.



WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 6 of 9

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Propan LC50: 56 - 80 Vol.-% (Rat. , 15 min.)

Dimethylether LC50: 308 mg/L (Rat.)

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	h
106-97-8	butane				
	Acute inhalation toxicity	LC50	658 ppm	Rat	4

Specific effects in experiment on an animal

Toxicological data are not available.

Severe effects after repeated or prolonged exposure

Has de-greasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation. Can cause frostbite. Has de-greasing effect on the skin.

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

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Aquatic toxicity

Harmful for Water fleas.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
74-98-6	propane	2,36
106-97-8	butane	2,89

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

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). Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations



WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 7 of 9

13.1. Waste treatment methods

Advice on disposal

Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products

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 used product

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.

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)

14.1. UN number: 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.1



Classification code: 5F
Limited quantity: LQ2

Other applicable information (land transport)

: 190 - 327 - 625
: 2
: B1D

Inland waterways transport (ADN)

14.1. UN number: 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
Hazard label: 2.1



Classification code: 5F
Limited quantity: LQ2

Other applicable information (inland waterways transport)

: 190 327 625

Marine transport (IMDG)

14.1. UN number: 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2

WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 8 of 9

14.4. Packing group:

-

Hazard label:

2.1



Marine pollutant:

•

Limited quantity:

See SP277

EmS:

F-D, S-U

Other applicable information (marine transport)

: 63, 190, 277, 327, 959

Air transport (ICAO)

UN/ID number:

1950

14.2. UN proper shipping name:

AEROSOLS

14.3. Transport hazard class(es):

2.1

Hazard label:

2.1



Limited quantity Passenger:

-

IATA-packing instructions - Passenger:

Forbidden

IATA-max. quantity - Passenger:

Forbidden

IATA-packing instructions - Cargo:

203

IATA-max. quantity - Cargo:

150 kg

Other applicable information (air transport)

: -

: A1

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

1999/13/EC (VOC):

93 %

VOC-value (in g/l): 651,0

National regulatory information

Employment restrictions:

Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D):

2 - water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Full text of R phrases referred to under Sections 2 and 3

- | | |
|-------|---|
| 10 | Flammable. |
| 12 | Extremely flammable. |
| 38 | Irritating to skin. |
| 50 | Very toxic to aquatic organisms. |
| 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 65 | Harmful: may cause lung damage if swallowed. |



WS-Edelstahl-Pflegespray

Print date: 03.01.2014

Product code: 3638

Page 9 of 9

66 Repeated exposure may cause skin dryness or cracking.

Full text of H statements referred to under Sections 2 and 3

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H226 Flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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