

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 1 of 12

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

1.1. Product identifier

Schnellrostlöser Spray Quick

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

Use of the substance/mixture

Cleaning agent., Solvent, Corrosion inhibitors.

Uses advised against

none

1.3. Details of the supplier of the safety data sheet

Company name:	plus6 Werkzeuge GmbH & Co.KG
Street:	Gewerbepark 9
Place:	DE-06917 Jessen
Telephone:	+49 3877 95747-60
e-mail:	info@plus6.de
Contact person:	Ulrike Steinke
Internet:	www.plus6.de
Responsible Department:	Sicherheitsdatenblätter / Datenmanagement

1.4. Emergency telephone

Giftnotruf Berlin +49 (0) 30/30686 700

number:

Further Information

Restricted to professional users. Safety data sheet available for professional user on request. Notice the directions for use on the label. To avoid risks to man and the environment, comply with the instructions for use.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Aerosol: Aerosol 1

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye irritation.

May cause drowsiness or dizziness.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanolpropan-2-ol; isopropyl alcohol; isopropanol

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 2 of 12

H336 May cause drowsiness or dizziness.

Precautionary statements

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container to according to local / regional / national / international regulations for disposal.

Additional advice on labelling

Classification according to Regulation (EC) No 1272/2008 [CLP]

2.3. Other hazards

Do not breathe vapour/aerosol. Wear suitable protective clothing, gloves and eye/face protection. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
75-28-5	Isobutane (<0.1% 1,3-butadiene (EINECS 203-450-8))			25 - < 50 %
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1, Compressed gas; H220 H280			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			25 - < 50 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
74-98-6	propane			20 - < 25 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Compressed gas; H220 H280			
106-97-8	Butane (<0.1% butadiene (EINECS 203-450-8))			5 - < 10 %
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1, Compressed gas; H220 H280			

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! In all cases of doubt, or when symptoms persist, seek medical

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 3 of 12

advice. Remove contaminated, saturated clothing immediately. Remove persons to safety. Keep away from unprotected people. Keep upwind. Ventilate affected area.

After inhalation

Provide fresh air. Seek medical attention if problems persist.
Remove casualty to fresh air and keep warm and at rest.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
Remove contaminated clothing immediately and dispose off safely.
Seek medical attention if problems persist.

After contact with eyes

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

Rinse mouth thoroughly with water. Caution if victim vomits: Risk of aspiration! Medical treatment necessary. In case of spontaneous vomiting, keep the head below the waist to prevent aspiration of the product.

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

The following symptoms may occur: difficulties of breathing. Headache. Drowsiness. Dizziness. Coughing. Nausea.

In all cases of doubt, or when symptoms persist, seek medical advice.

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

Caution if victim vomits: Risk of aspiration! In all cases of doubt, or when symptoms persist, seek medical advice. Subsequent observance for pneumonia and lung oedema. Because of aspiration gastric lavage only under endotracheal intubation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes. Upon heating and / or in case of fire, formation of toxic gases is possible.

In case of fire may be liberated: carbon monoxide (CO). Carbon dioxide (CO₂). Organic cracking products.

5.3. Advice for firefighters

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

Additional information

Contaminated fire-fighting water must be collected separately. Co-ordinate fire-fighting measures to the fire surroundings.

Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Wear personal protection equipment. Keep away from unprotected people. Keep upwind.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 4 of 12

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). Take up mechanically, placing in appropriate containers for disposal. Ventilate affected area.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal. Disposal: see section 13.
Safe handling: see section 7. Personal protection equipment: see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in head space of closed systems.

Avoid contact with skin and eyes. Do not breathe gas/vapour/aerosol.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

Remove all sources of ignition. 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 naked flames or any incandescent material.

Further information on handling

Heating causes rise in pressure with risk of bursting.

After use replace the closing cap immediately.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

The official regulations for the storage of compressed gas packages must be observed.

Hints on joint storage

Do not store together with: Food and feedingstuffs, Water.

Further information on storage conditions

Protect against: heat. UV-radiation/sunlight. frost. moisture.

Heating causes rise in pressure with risk of bursting.

7.3. Specific end use(s)

Cleaning agent., Solvent, Corrosion inhibitors. Observe instructions for use. Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 5 of 12

DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol		
Consumer DNEL, long-term	oral	systemic	26 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	319 mg/kg bw/day
Worker DNEL, long-term	dermal	systemic	888 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	89 mg/m ³
Worker DNEL, long-term	inhalation	systemic	500 mg/m ³

PNEC values

CAS No	Substance	
Environmental compartment	Value	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	
Freshwater	140,9 mg/l	
Freshwater (intermittent releases)	140,9 mg/l	
Marine water	140,9 mg/l	
Freshwater sediment	552 mg/kg	
Marine sediment	552 mg/kg	
Micro-organisms in sewage treatment plants (STP)	2251 mg/l	
Soil	28 mg/kg	

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. Provide earthing of containers, equipment, pumps and ventilation facilities. Have eye showers and safety shower ready.

Protective and hygiene measures

Work in well-ventilated zones or use proper respiratory protection. Do not eat, drink, smoke or sneeze at the workplace.

Wash hands before breaks and after work. Restore grease film of the skin after cleansing by using a fat cream to prevent dermatitis.

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

Eye/face protection

Tightly sealed safety glasses. DIN EN 166

Hand protection

Protect skin by using skin protective cream.

Tested protective gloves are to be worn: EN ISO 374

Suitable material: Butyl rubber.

Thickness of glove material: > 0,5 mm

penetration time (maximum wearing period): > 240 min

Breakthrough times and swelling properties of the material must be taken into consideration.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Observe the wear time limits as specified by the manufacturer.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 6 of 12

Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). DIN EN 13034/6

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protective equipment: Self-contained respirator (breathing apparatus) (DIN EN 133).

Environmental exposure controls

Leakage into the environment must be prevented. Do not allow uncontrolled leakage of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	blue
Odour:	like: Alcohol
pH-Value:	not determined

Changes in the physical state

Melting point:	Not applicable, aerosol
Initial boiling point and boiling range:	Not applicable, aerosol
Flash point:	Not applicable, aerosol

Flammability

Solid:	not determined
Gas:	not determined

Explosive properties

not Explosive.
In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	> 200 °C

Auto-ignition temperature

Solid:	not determined
Gas:	not determined

Decomposition temperature:	not determined
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Oxidizing properties

not determined

Vapour pressure:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,62 g/cm ³
Water solubility:	Immiscible

Solubility in other solvents

not determined

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 7 of 12

Solvent content: 94,9 % (VOC (EU) = 586,4 g/L)

9.2. Other information

Solid content: 0,0 %

Odour threshold: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. In case of exceeding the storage temperature: >50 °C Danger of bursting container.
Remove all sources of ignition. Protect from moisture.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.
In case of fire may be liberated: carbon monoxide (CO). Carbon dioxide (CO₂). Organic cracking products.

Further information

In case of exceeding the storage temperature: >50 °C Danger of bursting container.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Acute toxicity

Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 mg/kg	4570	Rat	SDS
	dermal	LD50 mg/kg	13400	Rabbit	
	inhalation (4 h) vapour	LC50	30 mg/l	Rat	SDS
106-97-8	Butane (<0.1% butadiene (EINECS 203-450-8))				
	inhalation (4 h) gas	LC50	658 ppm	Rat	GESTIS

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 8 of 12

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Leakage into the environment must be prevented.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Leuciscus idus (golden orfe)	
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna (Big water flea)	

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
75-28-5	Isobutane (<0.1% 1,3-butadiene (EINECS 203-450-8))	2,8
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	0,05
74-98-6	propane	2,36
106-97-8	Butane (<0.1% butadiene (EINECS 203-450-8))	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

Doesn't get into the sewage water as long as the process is carried out according to regulations.

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

slightly hazardous to water (WGK 1)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 9 of 12

Disposal recommendations

Dispose of waste according to applicable legislation.
 Must not be disposed together with household garbage.
 Do not allow to enter into surface water or drains.

List of Wastes Code - 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 hazardous substances; hazardous waste

List of Wastes Code - used product

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

List of Wastes Code - 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

Consult the appropriate authorities about waste disposal. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

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



Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0
 Transport category: 2
 Tunnel restriction code: D

Inland waterways transport (ADN)

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




Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0

Marine transport (IMDG)


Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 26.03.2020	Schnellrostlöser Spray Quick	Page 10 of 12
Product code: 82191		

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1
	
Marine pollutant:	Nein
Special Provisions:	63, 190, 277, 327, 344, 381,959
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS, flammable
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1
	
Special Provisions:	A145 A167 A802
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y203
Excepted quantity:	E0
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Flammable gases, Gases under pressure

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

Other applicable information

Transport as "limited quantity" according to chapter 3.4 ADR/RID.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: propan-2-ol; isopropyl alcohol; isopropanol

Entry 40: propan-2-ol; isopropyl alcohol; isopropanol

2004/42/EC (VOC): VOC-value (in g/L): 586,4

Volatile organic compounds (VOC) content in percent by weight: 94,9%

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 26.03.2020	Schnellrostlöser Spray Quick	Page 11 of 12
	Product code: 82191	

Information according to 2012/18/EU (SEVESO III):

P3a FLAMMABLE

National regulatory information

AEROSOLS

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

- Isobutane (<0.1% 1,3-butadiene (EINECS 203-450-8))
- propan-2-ol; isopropyl alcohol; isopropanol
- propane
- Butane (<0.1% butadiene (EINECS 203-450-8))

SECTION 16: Other information

Abbreviations and acronyms

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Eye Irrit. 2; H319	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"

Relevant H and EUH statements (number and full text)

- H220 Extremely flammable gas.
- H222 Extremely flammable aerosol.
- H225 Highly flammable liquid and vapour.
- H229 Pressurised container: May burst if heated.
- H280 Contains gas under pressure; may explode if heated.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Further Information

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

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Corrosion inhibitor, Roller application or brushing, Industrial spraying, Non industrial spraying, Treatment of articles by dipping and pouring	PW	17	14	7, 8a, 8b, 9, 10, 11, 13, 19	2, 8f	1, 2, 7a	31	Korroschutz
2	Washing and cleaning products (including solvent based products), Industrial spraying, Non industrial spraying	-	3, 22	35	7, 11	-	-	-	Aerosol

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Schnellrostlöser Spray Quick

Revision date: 26.03.2020

Product code: 82191

Page 12 of 12

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