

Safety Data Sheetaccording to Regulation (EC) No.
1907/2006/Article 31 (REACH)

STALOC Rostlöser mit MOS2 SQ-620

Version: 1

Language: EN

Product No.:

Revision date: 14.10.2013

Print date: 14/10/2013

Specification No.:

1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****STALOC Rostlöser mit MOS2 SQ-620**

CAS number: -
EC number (EINECS/ELINCS): -
EC index number: -
REACH registration number: -

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

Identified uses of the substance or mixture: Aerosol

Not recommended uses of the substance or mixture: -

1.3 Details of the supplier of the safety data sheet**Manufacturer**STALOC
Flachenauergutstraße 8

A 4020 Linz

Telephone: +43 (0)732 221877

Fax: +43 (0)732 222489

SupplierSTANKOVSKY Handels-GmbH
Flachenauergutstraße 8

A 4020 Linz

Telephone: +43 (0)732 221877

Fax: +43 (0)732 222489

Information contact

STANKOVSKY Handels-GmbH

Information Telephone: +43 (0)732 221877

Information fax: +43 (0)732 222489

E-mail (competent person): office@staloc.com

Website: <http://www.staloc.com>**National contact**

STANKOVSKY Handels-GmbH

Information Telephone: +43 (0)732 221877

Information fax: +43 (0)732 222489

E-mail (competent person): office@staloc.com

Website: <http://www.staloc.com>**1.4 Emergency telephone number**Giftinformationszentrale Wien
24h/d 7d/w

Telephone: +43 (0) 1 4064343

1.5 Dept. responsible for information

Abteilung Produktsicherheit

2. Hazards identification

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2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008:

Flam. Liq. 1; H224 , Asp. Tox. 1; H304 , -; EUH066 , STOT SE 3; H336

Directive 67/548/EEC:

F+; R12 , Xn; R65 , -; R66 , -; R67

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



	GHS02, GHS08, GHS07
Signal word:	Danger
H phrases:	EU_066 Repeated exposure may cause skin dryness or cracking. 224 Extremely flammable liquid and vapour. 304 May be fatal if swallowed and enters airways. 336 May cause drowsiness or dizziness.
P phrases:	101 If medical advice is needed, have product container or label at hand. 102 Keep out of reach of children. 210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 211 Do not spray on an open flame or other ignition source. 235+410 Keep cool. Protect from sunlight. 251 Pressurized container: Do not pierce or burn, even after use. 261 Avoid breathing dust/fume/gas/mist/vapours/spray. 270 Do not eat, drink or smoke when using this product. 271 Use only outdoors or in a well-ventilated area. 304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. 371+380+375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. 501 Dispose of contents/container to .?.

2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:



	F+ Extremely flammable.
	Xn Harmful.
R phrases:	12 Extremely flammable. 65 Harmful: may cause lung damage if swallowed. 66 Repeated exposure may cause skin dryness or cracking. 67 Vapours may cause drowsiness and dizziness.
S phrases:	1/2 Keep locked up and out of the reach of children. 13 Keep away from food, drink and animal feedingstuffs. 15 Keep away from heat. 20/21 When using do not eat, drink or smoke. 23 Do not breathe gas/fumes/vapour/spray. 51 Use only in well-ventilated areas.

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2.3 Other hazards

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

3. Composition/information on ingredients**3.1 Chemical characterization of the substance or mixture**

Preparation related information

3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Propane	200-827-9	74-98-6	601-003-00-5		1-10%	Flam. Gas 1; H220	F+; R12
Butane	203-448-7	106-97-8	601-004-00-0		20-30%	Flam. Gas 1; H220	F+; R12
Isobutane	200-857-2	75-28-5	601-004-00-0		1-10%	Flam. Gas 1; H220	F+; R12
Kerosene (straight run)	309-866-7	101316-61-4	649-415-00-4		50-70%	Asp. Tox. 1; H304	Xn; R65

Ingredients with EC exposure limits

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Propane	200-827-9	74-98-6	601-003-00-5		1-10%	Flam. Gas 1; H220	F+; R12
Butane	203-448-7	106-97-8	601-004-00-0		20-30%	Flam. Gas 1; H220	F+; R12
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(The wording of the listed risk phrases is given in Chapter 16)

3.3 Additional information

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

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).

Following inhalation: In case of inhaling spray mists, consult a doctor immediately and show him box or label. In case of unconsciousness place in unconscious position and seek medical advice.

After skin contact: After contact with skin, wash immediately with: Water. In case of skin irritation, seek medical treatment.

Following eye contact: 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: Immediately get medical attention.

Self-protection: First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Headache. Nausea. drowsiness. Disorientation. Dizziness.

Nature of Hazard: unconsciousness.



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4.3 Indication of any immediate medical attention and special treatment needed

Emergency aid: -
Treatment: Treat symptomatically.

5. Fire fighting measures**5.1 General information**
-**5.2 Extinguishing media**

Suitable: Carbon dioxide (CO₂). Dry extinguishing powder. Water fog.
Unsuitable: High power water jet.

5.3 Special hazards arising from the substance or mixture
-**5.4 Advice for fire fighters****Special protective equipment for fire-fighters**

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

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Use water spray/stream to protect personnel and to cool endangered containers.

6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment.

6.3 Methods and materials for containment and cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4 References to other sections
-**7. Handling and storage****7.1 Precautions for safe handling****Information for safe handling**

Provide for sufficient ventilation and punctiform suction at critical points. Use only in well-ventilated areas.

Technical measures

Equipment with built-in suction provisions.

Precautions against fire and explosion

Vapours may form explosive mixtures with air.

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Additional information

-

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in a cool, well-ventilated place.

Packaging materials

-

Requirements for storerooms and containers

-

Information about storing together in storage facility

-

Further information concerning storage conditions

Heating causes rise in pressure with risk of bursting.

Storage class: 2 B Pressurized small gas containers (aerosol containers).

7.3 Specific end use(s)

-

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Limits for occupational exposure

Exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
Propane	74-98-6				
Butane	106-97-8				
Isobutane	75-28-5				
Kerosene (straight run)	101316-61-4				

EC exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
Propane	74-98-6				
Butane	106-97-8				
Isobutane	75-28-5				
Kerosene (straight run)	101316-61-4				

8.1.2 DNEL and PNEC values

DNEL-values

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer
Propane	74-98-6	Ingestion short term (acute)			
		Ingestion Long Term (repeated)			
		Skin contact short term (acute)			

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		Skin contact Long Term (repeated)			
		Inhalation short term (acute)			
		Inhalation Long Term (repeated)			
Butane	106-97-8	Ingestion short term (acute)			
		Ingestion Long Term (repeated)			
		Skin contact short term (acute)			
		Skin contact Long Term (repeated)			
		Inhalation short term (acute)			
		Inhalation Long Term (repeated)			
Isobutane	75-28-5	Ingestion short term (acute)			
		Ingestion Long Term (repeated)			
		Skin contact short term (acute)			
		Skin contact Long Term (repeated)			
		Inhalation short term (acute)			
		Inhalation Long Term (repeated)			
Kerosene (straight run)	101316-61-4	Ingestion short term (acute)			
		Ingestion Long Term (repeated)			
		Skin contact short term (acute)			
		Skin contact Long Term (repeated)			
		Inhalation short term (acute)			
		Inhalation Long Term (repeated)			

PNEC-values

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer
Propane	74-98-6	PNEC water short term (single use)			
		PNEC water Long Term (continuous)			
		PNEC soil short term (single use)			
		PNEC soil Long Term (continuous)			
		PNEC air short term (single use)			
		PNEC air Long Term (continuous)			
Butane	106-97-8	PNEC water short term (single use)			
		PNEC water Long Term (continuous)			
		PNEC soil short term (single use)			
		PNEC soil Long Term (continuous)			
		PNEC air short term (single use)			
		PNEC air Long Term (continuous)			
Isobutane	75-28-5	PNEC water short term (single use)			

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		PNEC water Long Term (continuous)			
		PNEC soil short term (single use)			
		PNEC soil Long Term (continuous)			
		PNEC air short term (single use)			
		PNEC air Long Term (continuous)			
Kerosene (straight run)	101316-61-4	PNEC water short term (single use)			
		PNEC water Long Term (continuous)			
		PNEC soil short term (single use)			
		PNEC soil Long Term (continuous)			
		PNEC air short term (single use)			
		PNEC air Long Term (continuous)			

8.1.3 Control-Banding

Control-Banding

-

8.1.4 Additional information

-

8.2 Exposure controls

Occupational exposure controls

-

Chemical handling

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

Personal protection equipment

-

Respiratory protection

Respiratory protection required in case of: insufficient ventilation. Suitable respiratory protective equipment: Protective respiration apparatus not using surrounding air (breathing apparatus) (DIN EN 133).

Hand protection

Suitable gloves type: NBR (Nitrile rubber).

Eye protection

Tightly sealed safety glasses.

Skin protection

Suitable protection of the body: Overall. Chemical resistant safety shoes.

Environmental exposure controls

-



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Consumer exposure controls

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

8.3 Exposure scenario

-

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

State of matter: Aerosol
Colour: grey
Odour: characteristic
Odour threshold: not determined

Safety relevant basis data

	Parameter	Value	Unit	Remark
Density:		0,694	g/l	
Package density:			-	
pH:		-	-	
Melting point / range:			-	
Boiling temperature / range:			-	
Flash point:		-60	°C	
Flammability:			-	
Lower flammability limit:			-	
Upper flammability limit:			-	
Explosion hazard:			-	
Lower explosion limit:		1,4	Vol-%	
Upper explosion limit:		32,0	Vol-%	
Ignition temperature:		510	°C	
Decomposition temperature:			-	
Oxidizing characteristics:			-	
Vapour pressure:		3000	hPa	
Relative vapour density:			-	
Speed of vaporization/evaporation rate:		mäßig		
Solubility in water:				insoluble
Fat solubility:				-
Solubility in :				-
log P O/W (n-octanol / water):				-
Viscosity:				-
Solvent separation test:				-
Solvent content:		692	g/l	

9.2 Other information

none

10. Stability and reactivity

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10.1 Reactivity

-

10.2 Chemical stability

-

10.3 Possibility of hazardous reactions

-

10.4 Conditions to avoid

heat. UV-radiation/sunlight.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products: Carbon dioxide. Carbon monoxide.

10.7 Additional information

-

11. Toxicological information**11.1 Information on toxicological effects**

-

Acute toxicity

Substance:	CAS-No.:	Toxicological information
Propane	74-98-6	
Butane	106-97-8	
Isobutane	75-28-5	
Kerosene (straight run)	101316-61-4	

Specific symptoms in laboratory animals

-

11.2 Irritation and etching**Irritant effect on the skin**

-

Irritant effect on the eye

-

Irritant effect on the respiratory tract

-

Etching

-

11.3 Sensitization

-

11.4 Repeated dose toxicityHarmful: danger of serious damage to health by prolonged exposure through inhalation. Harmful: danger of
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serious damage to health by prolonged exposure in contact with skin.

11.5 CMR effects**Carcinogenicity**

-

Mutagenicity

-

Reproductive toxicity

-

11.6 General remarks

-

Practical experience

-

Other observations

-

Additional information

-

12. Ecological information**12.1 Toxicity**

-

Eco toxicity

Substance:	CAS-No.:	Ecotoxicity
Propane	74-98-6	
Butane	106-97-8	
Isobutane	75-28-5	
Kerosene (straight run)	101316-61-4	

12.2 Persistence and degradability

Experience so far shows this product to be inert and not degradable.

12.3 Bio accumulative potential

There are no data available on the mixture itself.

12.4 Mobility in soil

Insoluble in: Water.

12.5 Results of PBT and vPvB assessment

-

12.6 Other adverse effects

There are no data available on the mixture itself.

12.7 Further ecological information

-

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12.8 Further details
-**13. Disposal considerations****13.1 Waste treatment methods****Appropriate disposal/Product**

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Appropriate disposal/ packaging

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

Control report for waste code/ waste marking according to EAKV
-**Waste key product:** -**Waste key packaging:** -**Remark**

Waste disposal according to official state regulations.

14. Transport information**14.1 Overland transport (ADR/RID)****Proper Shipping name**

Druckgaspackungen

UN No.: 1950**Label:** 2.1**Packing Group:****Classification code:** 5F**Remark:** Limited quantity (LQ)**14.2 Transport by sea (IMDG)****Proper Shipping name**

Aerosols

UN-No.: 1950**Label:** 2.1**Packing Group:****EmS-No.:** F-D,S-U**MFAG:****Marine pollutant:****Special Provisions:** -**Remark:** -**14.3 Air transport (ICAO-TI / IATA-DGR)****Proper Shipping name**

Aerosols

UN/ID-No.: 1950**Label:** 2.1**Packing Group:****Remark:** -

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14.4 Mail

-

15. Regulatory information

15.1 Labelling

Hazardous component(s) for labelling

Kerosene (straight run); Propane; Isobutane; Butane

Special labelling of particular preparations

-

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

EU-Regulations

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)

-

Regulation (EC) No 2037/2000 on substances that deplete the ozone layer

-

Regulation (EC) No 850/2004 on persistent organic pollutants

-

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals

-

Regulation (EC) No 648/2004 (Detergents regulation)

-

Restrictions under Title VIII of Regulation (EC) No 1907/2006

-

National regulations

Moreover, national legislation has to be observed!

Informations on working limitations

-

Major Accidents Ordinance

-

Storage class according to VCI

2 B Pressurized small gas containers (aerosol containers).

Water Hazard Class according to VwVwS

1 weak water pollutant (WGK 1)

Technical Instructions on Air Quality Control (TA-Luft)

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Further regulations, limitations and legal requirements

-

15.3 Chemical safety assessment

For this preparation a chemical safety assessment has been carried out:

-

16. Other information**16.1 Wording of the H and R-phrases under paragraph 3****Regulation (EC) No 1272/2008**

EU_066 Repeated exposure may cause skin dryness or cracking.
224 Extremely flammable liquid and vapour.
304 May be fatal if swallowed and enters airways.
336 May cause drowsiness or dizziness.

Directive 67/548/EEC

12 Extremely flammable.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

16.2 Training instructions

-

16.3 Recommended restrictions of use

-

16.4 Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

16.5 Documentation of changes

-

16.6 Data sources

-

16.7 Key and definition

-

17. Appendix**17.1 Exposure scenario**

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