

Material Safety Data Sheet

EU regulation 1907/2006/EEC (REACH)

1. Identification of the substance / preparation and of the company

Product name	Clipper spray / Kool lupe
Catalogue no.	273280, 273283
Use	Cleaning of clippers
Product delivered by	JØRGEN KRUUSE A/S Havretoften 4, DK-5550 Langeskov. Denmark Phone: +45 7214 1511 Fax: +45 7214 1600 E-mail: info@kruise.com Web: http://www.kruise.com
Emergency telephone	112

2. Hazards identification

Classified as dangerous	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Classification	Xi, F+, N	
Main hazards:		
- for the substance	The product is highly flammable.	
- for human	Repeated exposure may cause skin dryness or cracking.	
- for environment	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
Other things	Must be stored at temperatures below 50°C, protected from sunlight.	

3. Composition / information on ingredients

Chemical name	Contents %	Cas no.	Classification *	Other
naphtha (crude oil) hydrogenised light	20 - 50%	64742-49-0	Xn, Xi, F, N	R11, R38, R65, R67, R51/53
butane (containing < 0.1% butadiene (203-450-8))	20 - 50%	106-97-8	Fx	R12
propane	10 - 20%	74-98-6	Fx	R12
acetone	5 - 10%	67-64-1	Xi, F	R11, R36, R66, R67

* See section 16 for description of R-phrases

4. First-aid measures

General information	Inhalation of high concentrations may cause headache, nausea, drowsiness and dizziness.
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Skin	Wash thoroughly with soap and water. Seek medical attention if skin discomfort continues.
Eyes	Immediately flush eyes with water for at least 15 minutes.
Inhalation	Move the exposed person to fresh air at once.
Ingestion	Ingestion of harmful amounts is hardly possible during normal use of the product but accidental ingestion may cause irritation in mouth and stomach pain and vomiting.
Burns	Rinse with water until the pain disappears.
Is immediate assistance by a doctor needed	No

5. Fire-fighting measures

Measures against fire	Cool exposed containers with water. Dispose of contaminated extinguishing water in accordance with local regulations. Remove sources of ignition and ensure that the area is well ventilated.
Extinguishing media	Powder and carbon dioxide. Water spray.
Extinguishing media which must NOT be used	Water jet.
Special exposure hazards	<p>Volatile vapours may move along the ground or floor to reach sources of ignition which may ignite the product (flash-back effect).</p> <p>Closed containers may explode if exposed to excessive heat.</p>

6. Accidental release measures

Personal precautions	Provide adequate, efficient ventilation. Wear personal protective equipment (PPE) - see section 8. No smoking and use of open fire.
Environmental precautions	Prevent the product from entering drains.
Cleaning up	Dispose according to local regulations. Prevent waste from entering sewers or waterways. Dispose of according to regulations in item 13.
Other things	Keep away from open flame and ignition sources. Remove sources of ignition and ensure that the area is well ventilated. Closed containers may explode if exposed to excessive heat.

7. Handling and storage

Handling	Keep away from heat, sparks and open flame. No smoking and use of open fire. Personal protection, see section 8.
Storage	Keep away from open flame and ignition sources. Observe technical instructions regarding toxic and flammable liquids.
Other things	Keep away from open flame and ignition sources. Store in accordance with applicable fire engineering regulations. Must be stored at temperatures below 50°C, protected from sunlight. No smoking and use of open fire. Provide adequate, efficient ventilation.

8. Exposure controls / personal protection

Technical precautions, Work processes	Provide adequate, efficient ventilation.
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Personal protection (respiratory, hands, skin, eyes)	If ventilation is insufficient, use breathing apparatus with filter type A. Safety gloves recommended. None. Wear face protection to protect from splashes. Organic solvents act as degreasers on skin.
Precautions at use	Keep away from open flame and ignition sources.

Occupational exposure limits (TRGS 900)

CAS no.	Substance	ml/m ³	mg/m ³	ppm	Type
64742-49-0	naphtha (crude oil), hydrogenated light			200ppm	
106-97-8	butane (containing < 0.1% butadiene (203-450-8))		1200	500ppm	
74-98-6	propane		1800	1000ppm	
67-64-1	acetone		600	250ppm	

9. Physical and chemical properties

Appearance	Aerosol	Colour	Colourless
Melting point °C	-	Smell	Characteristic
Flammability	Highly flammable	Oxidising	No
Solubility	No	Flash point °C	-

10. Stability and reactivity

Stability	The product is stable in normal use.
Conditions to avoid	Keep away from heat and direct sunlight. Keep away from open flame and ignition sources.
Materials to avoid	Reacts with oxidising agents and strong acids.

11. Toxicological information (health effects)

General information	If irritation continues, seek medical attention.
Inhalation	Remove person to fresh air. Seek medical attention if symptoms of sensitisation or irritation occur (difficulty in breathing, strained coughing).
Skin	Irritating to skin.
Eyes	May irritate eyes.
Ingestion	Ingestion of larger amounts could cause discomfort.

12. Ecological information

Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Other things	Prevent waste from entering sewers or waterways. Chemical waste group: Z Waste fraction: 05.99 EAK code (waste catalogue no.): 16 05 04 Gases in pressurised containers (including halons) containing hazardous substances.
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13. Disposal considerations

General information	The product is hazardous waste and must be disposed of according to local regulations.		
Dangerous waste	Yes		
Chemical waste group	Z	Description	Gases in pressurised containers (including halons) containing hazardous substances.
Other things	Dispose according to local regulations.		

14. Transport information

Transportation	UN no.	Proper shipping name	Danger class	Packaging group	Other (marine pollutant)
IMDG (ship)	1950	AEROSOLS	2.1		F-D, S-U
ADR (road)	1950	AEROSOLS	2.1		
RID (rail)	1950	AEROSOLS	2.1		
ICAO / IATA (air)	1950	AEROSOLS, FLAMMABLE	2.1		

General info

UN 1950 is limited capacity. Transport must be made in accordance with national and/or international regulations for road and sea transport of dangerous goods in accordance with ADR and IMDG. Capacity is limited: ADR: Max. 1l per inner packaging and max. 30kg per parcel for combination package. When using shrink or stretch wrap, the limit is 1l per inner packaging and max. 20kg per parcel. IMDG: Max. 1l per inner packaging and max. 30kg per parcel for combination packages. When using shrink or stretch wrap, the limit is 20kg gross per parcel (inner packaging must be metal or plastic which is not easily damaged). To be labelled: "UN 1950 AEROSOLS"

15. Regulatory information

Danger description	Letter	Description	Danger symbol
	F+	Extremely flammable	
	N	Dangerous for the environment	
	Xi	Irritant	

R-phrases (risks)	R12 R38 R67 R51/53	Extremely flammable. Irritating to skin. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases (precaution rules)	S2 S16	Keep out of the reach of children, Keep away from sources of ignition - No smoking.

16. Other information

Recommended restrictions on use	Working conditions of user are outside our control. Must be stored above freezing point. The user is always responsible for complying with national regulatory requirements.	
Training advice	The user must be familiar with this safety sheet.	
Other things	Keep away from open flame and ignition sources. Must be stored at temperatures below 50°C, protected from sunlight.	
R-phrases from section 2 and 3	R11 R12 R36 R38 R65 R66 R67 R51/53	Highly flammable. Extremely flammable. Eye irritant. Irritating to skin. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Revision history		
Version	Revision date	Change
2	07-jul10	Updated in accordance with aerosol directive.
1	02-apr-08	First release