

SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

Product Name: CLEANER SKC S
Datasheet Number: 653543-r 2. 0. 0
Product Part Number: 653543 (10 x 400 ml)
Head Office:: Wilhelmsen Ships Service AS
Address: Strandveien 20, N1324 Lysaker, Norway. Tel:+47 67 584550

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

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Wilhelmsen Ships Service AS
Address of Supplier: Willem Barentszstraat 50
3165AB Rotterdam
The Netherlands
Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: Patrick Rijdsdijk, Product HSE Manager, Tel.:+31 6 349 440 35
Email: patrick.rijdsdijk@wilhelmsen.com

1.4 Emergency telephone number

-ONLY TO BE USED IN CASE OF AN INCIDENT-
NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
American Chemistry Council +1 703 527 3887,
Greece +30 210 7793777
Australia: +61 3 9630 0998
Giftinformasjonssentralen in Norway Tel.: +47 22591300

2 Hazards identification

2.1 Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

2.2 Label elements



Extremely Flammable



Irritant



Dangerous for the Environment

- Pressurized aerosol container
- Extremely Flammable and Irritant
- Marine pollutant

Risk Phrases

- Extremely Flammable (R12)
- Irritating to skin (R38)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

2 Hazards identification (....)

- Vapours may cause drowsiness and dizziness (R67)

Safety Phrases

- Keep away from sources of ignition - No Smoking (S16)
- Do not breathe spray/mists (S23)
- Avoid contact with skin (S24)
- Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point (S29/56)
- Use only in well ventilated areas (S51)

2.3 Other hazards

- Odour: Smells of hydrocarbon
- Appearance: Aerosol
- Contact with eyes: May cause irritation

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Isoparaffinic hydrocarbon	>75%	90622-56-3	292-458-5	11, 38, 51/53, 65, 67	F, Xn, Xi, N
Butane	<25%	106-97-8	203-448-7	12	F+

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water.
- Contaminated clothing should be laundered before reuse
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Seek medical advice
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- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Possible irritation of affected areas
- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

4.3 Indication of immediate medical attention and special treatment needed

Do not give adrenalin or equivalent medicines.

5 Fire-fighting measures

5 Fire-fighting measures (....)

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)

5.2 Special hazards arising from the substance or mixture

- Pressurized aerosol container
- Keep container(s) exposed to fire cool, by spraying with water
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
 - Inform Fire Brigade of potential danger of exploding and rocketing cylinders
 - Substance evolves toxic fumes, wear self-contained breathing apparatus
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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Shut off all ignition sources
- Wear suitable respiratory protection
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

6.2 Environmental Precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Shut off source of leak if safe to do so
- Absorb spillage in suitable inert material
- Wash spill site with water and detergent

6.4 Reference to other sections

- None
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7 Handling and storage

7.1 Precautions for safe handling

- Restricted to professional users
- Ensure adequate ventilation
- Keep away from heat and sources of ignition

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep away from open flames, hot surfaces and sources of ignition.
- Recommended storage temperature between 10 and 30 °C

7.3 Specific end use(s)

8 Exposure controls/personal protection

8.1 Control parameters

- TLV (TWA) 1430 mg/m³ (Butane)
 - TLV (TWA) 281 ppm (Isoparaffinic hydrocarbon)
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8 Exposure controls/personal protection (....)

8.2 Exposure controls

- The undiluted product must not be used in a confined space without good ventilation

Occupational exposure controls

- Wear approved respirator if exposure likely to exceed TLV
- Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)



Visor



Gloves



Suit

No Smoking

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Smells of hydrocarbon
- Appearance: Aerosol
- pH - not applicable
- Boiling point 113 °C to 143 °C at 760 mm /Hg
- Vapour pressure 1.6 kPa at 20 deg C
- Vapour density (air = 1) >1
- Insoluble in water
- Specific gravity 0.72 g/cm³
- Lower flammability limit 0.7%(in air), Upper flammability limit 6%(in air)
- Evaporation rate (Butyl acetate = 1) 1.5

9.2 Other information

- None
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10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Avoid overheating
- Keep away from naked flames, incandescent or hot surfaces
- Keep away from static electricity

10.5 Incompatible materials

- None
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10 Stability and reactivity (....)

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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11 Toxicological information

11.1 Information on toxicological effects

- No experimental data available

Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- In cases of severe exposure, dizziness, confusion, headache or stupor may develop

Contact with skin

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis

Contact with eyes

- In cases of severe exposure, irritation may develop

Ingestion

- Not regarded as a potential route of exposure.

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

12.1 Toxicity

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

12.2 Persistence and degradability

- Most components in this product are not readily biodegradable.

12.3 Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.

12.4 Mobility in soil

- This substance is volatile
- Insoluble in water

12.5 Results of PBT and vPvB assessment

12.6 Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly.
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13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
 - Do not pierce or burn container, even after use
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13 Disposal considerations (....)

Classification

- This material and/or its container must be disposed of as hazardous waste
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14 Transport information



Flammable gas.

14.1 UN Number

- UN1950

14.2 UN Proper Shipping Name

- AEROSOLS, FLAMMABLE

14.3 Transport hazard class(es)

- 2.1

14.4 Packing group

- n/a

14.5 Environmental hazards

- Presents no hazard to the environment

14.6 Special precautions for user

- Gas cylinders must be equipped with valve protection caps during transport.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	AEROSOLS, FLAMMABLE		
ADR UN No.:	UN1950	ADR Hazard Class:	2.1
ADR Packing Group:	n/a	ADR subrisk:	n/a
ADR Flashpoint:	n/a		

Sea (IMDG)

Proper Shipping Name:	AEROSOLS, FLAMMABLE		
IMDG UN No.:	UN1950	IMDG Hazard Class.:	2.1
IMDG Pack Group.:	n/a	IMDG EmS:	F-D, S-U
IMDG subrisk:	n/a	IMDG Flashpoint:	n/a

Air (ICAO/IATA)

Proper Shipping Name:	AEROSOLS, FLAMMABLE		
ICAO Un No.:	UN1950	ICAO Hazard Class.:	2.1
ICAO Packing Group.:	n/a	ICAO subrisk:	n/a
ICAO Flashpoint:	n/a		

14 Transport information (....)

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	AEROSOLS, FLAMMABLE		
Hazardous Material:	Butane, Isoparaffinic hydrocarbon		
Hazard Class:	2.1	Identification Number:	UN1950
Product RQ (lbs):	n/a	DOT subrisk:	n/a
DOT Flashpoint:	n/a		

15 Regulatory information

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

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

15.2 Chemical Safety Assessment

None

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R11: Highly Flammable; R12: Extremely Flammable; R38: Irritating to skin; R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment; R65: Harmful: may cause lung damage if swallowed; R67: Vapours may cause drowsiness and dizziness.

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to www.wilhelmsen.com/shipsservice

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16 Other information (....)

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