

SAFETY DATA SHEET

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

Product Name: **Cleaner SKC-S**
 Datasheet Number: 653543 4. 0. 0
 Use of the substance/preparation: Welding accessories, Cleaning agent
 Product Part Number: 653543 (10 x 400 ml)
 Name of Supplier: Wilhelmsen Maritime Services AS
 Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard, The Netherlands

 Telephone: +31 10 4877 777
 Fax: +31 10 4877 888
 Responsible Person: Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736
 Email: Leen.de.Visser@Wilhelmsen.com
 Name of Manufacturer: Wilhelmsen Maritime Services AS, Business Unit Maintenance & Repair
 Address of Manufacturer: Strandveien 20
 P.O.Box 33
 NO-1324 LYSAKER
 Norway
 Telephone: +47 67 584550
 Emergency Telephone: NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R 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

3 Hazards identification

- Odour: Smells of hydrocarbon
- Appearance: Aerosol
- Contact with eyes: May cause irritation
- Contact with skin: Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- 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
- Ingestion: Not regarded as a potential route of exposure.



Extremely Flammable



Irritant



Dangerous for the Environment

4 First aid measures

Contact with skin

- After contact with skin, wash immediately with plenty of soap and water (S28)
- Contaminated clothing should be laundered before reuse

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Seek medical advice

Ingestion

- Not regarded as a potential route of exposure.

4 First aid measures (....)

Inhalation

- Remove patient to fresh air
- Obtain immediate medical attention

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

Notes to Physicians

Do not give adrenalin or equivalent medicines.

5 Fire-fighting measures

- Lower flammability limit 0.7%(in air), Upper flammability limit 6%(in air)
- Portable containers should be moved if possible and without risk
- Keep container(s) exposed to fire cool, by spraying with water
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
- Substance evolves toxic fumes, wear self-contained breathing apparatus

6 Accidental release measures

Personal Precautions

- Shut off all ignition sources
- Wear suitable respiratory protection

Environmental Precautions

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

Clean Up Actions

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

7 Handling and storage

Handling

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

Storage

- 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

8 Exposure controls and personal protection

Exposure Limits

- TLV (TWA) 1430 mg/m³ (Butane)
- TLV (TWA) 281 ppm (Isoparaffinic hydrocarbon)

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

- Odour: Smells of hydrocarbon
- Appearance: Aerosol
- pH - not applicable

9 Physical and chemical properties (....)

- 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

10 Stability and reactivity

- This article is considered stable under normal conditions
- Avoid overheating

11 Toxicological information

Toxicological information

- 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

12 Ecological information

Ecotoxicity

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

Mobility

- This substance is volatile
- Insoluble in water

Persistence and Biodegradability

- Most components in this product are not readily biodegradable.

Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.

Other Adverse Effects

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

13 Disposal considerations

Classification

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

Disposal considerations

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

14 Transport information



Flammable gas

Proper Shipping Name: Aerosol cans. Aerosols, non-flammable, n.o.s

14 Transport information (....)

UN

Proper Shipping Name:	Aerosols	UN No.:	1950
Hazard Class:	2.1	Packing Group:	N/A

Road/Rail (ADR/RID)

Proper Shipping Name:	Aerosols	ADR UN No.:	1950
ADR Hazard Class:	2	Tremcard:	20G1A

Sea (IMDG)

Proper Shipping Name:	Aerosols	IMDG UN No.:	1950
IMDG Hazard Class.:	2.1	IMDG Pack Group.:	N/A
IMDG EmS:	F-D, S-U	IMDG subrisk:	N/A
IMDG Labels:	2.2	IMDG Flashpoint:	N/A

Air (ICAO/IATA)

Proper Shipping Name:	Forbidden	ICAO Un No.:	-
ICAO Hazard Class.:	-	ICAO Packing Group.:	-
ICAO subrisk:	-	ICAO Labels:	-
ICAO Flashpoint:	-		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Aerosols		
Hazardous Material:	Isoparaffinic hydrocarbon, butane		
Hazard Class:	2.1	Identification Number:	UN 1950
Product RQ (lbs):	N/A	DOT subrisk:	N/A
DOT Labels:	2.2	DOT Flashpoint:	N/A

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

15 Regulatory information

Extremely Flammable



Irritant



Dangerous for the Environment

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)
- Vapours may cause drowsiness and dizziness (R67)

Safety Phrases

- Keep out of reach of children (S2)
- 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)

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

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

16 Other information (....)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)