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SAFETY DATA SHEET

SOGE 100


according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: SOGE100

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product form	Mixture
Product name	SOGE 100
Product code	21-SP100
Main use category/ Use of the substance (mixture)	Industrial use / Lubricant oil
Company	NFK Glazing & Industrial Supplies
Contact phone	+61 7 3343 3377
Emergency phone	1800 033 111

NFK Glazing
& Industrial Supplies

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2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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

Not classified.

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. LABEL ELEMENTS

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

EUH-statements: EUH210 - Safety data sheet available on request.

Extra phrases: For use in industrial installations only.

2.3. OTHER HAZARDS

Other hazards which do not result in classification: None under normal conditions.

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % .

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Not applicable.

3.2. MIXTURES

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Move the affected person away from the contaminated area and into the fresh air. If you feel unwell, seek medical advice.
First-aid measures after skin contact	Wash with plenty of water/... If skin irritation or rash occurs: Get medical advice/attention. Wash skin with plenty of water.
First-aid measures after eye contact	Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention. Rinse eyes with water as a precaution.
First-aid measures after ingestion	Rinse mouth. Do not induce vomiting. Get medical advice/attention if you feel unwell. Call a poison center or a doctor if you feel unwell.


4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms/effects:

Not expected to present a significant hazard under anticipated conditions of normal use.

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4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No immediate medical care or specific treatment identified.

5. FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media: Carbon dioxide. Water spray. Foam. Dry powder.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Hazardous decomposition products in case of fire: Carbon monoxide. Carbon dioxide.

5.3. ADVICE FOR FIREFIGHTERS

Firefighting instructions	Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding.
Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.1.1. For non-emergency personnel

Emergency procedures:

Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapours.

6.1.2. For emergency respondersProtective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For containment	Collect the residue by means of a non-combustible absorbent material. Liquid spill: take up in sand, earth, vermiculite.
Methods for cleaning up	Take up liquid spill into absorbent material.
Other information	Dispose of contaminated materials in accordance with current regulations. Dispose of materials or solid residues at an authorized site.

6.4. REFERENCE TO OTHER SECTIONS

For further information refer to section 13.

7. HANDLING AND STORAGE**7.1. PRECAUTIONS FOR SAFE HANDLING**

Precautions for safe handling	Wear personal protective equipment. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapours.
Hygiene measures	Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions	Keep container tightly closed. Store tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Store in a well-ventilated place. Keep cool.
Incompatible products	Incompatible products.
Special rules on packaging	Keep only in original container.

7.3. SPECIFIC END USE(S)

No additional information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

8.1.1 National occupational exposure and biological limit values:

No additional information available.

8.1.2. Recommended monitoring procedures:

No additional information available.

8.1.3. Air contaminants formed:

No additional information available.

8.1.4. DNEL and PNEC:

No additional information available.

8.1.5. Control banding:

No additional information available.

8.2. EXPOSURE CONTROLS

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

No additional information available.

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing.

Hand protection:

The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374.

Breakthrough time: refer to the recommendations of the supplier.

8.2.2.3. Respiratory protection

Respiratory protection:

If the ventilation is suitable, it is not essential to wear respiratory equipment.

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES (1.1)

Physical state	Liquid
Colour	Yellow
Appearance	Translucent
Odour	Characteristic
Odour threshold	Not available
Melting point	Not applicable
Freezing point	Not available
Boiling point	Not available
Flammability	Not applicable
Explosive limits	Not available
Lower explosion limit (LEL)	Not available
Upper explosion limit (UEL)	Not available
Flash point	> 250 °C (ASTM D92)
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	Not available
Viscosity, kinematic	46 mm ² /s 40°C - ASTM D445
Solubility	Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	< 1 hPa (20 °C)

9.1. Information on basic physical and chemical properties (1.2)

Vapour pressure at 50 °C	Not available
Density	≈ 915 kg/m ³ (25°C - ASTM D4052)
Relative density	Not available
Relative vapour density at 20 °C	Not available
Particle characteristics	Not applicable

9.2. OTHER INFORMATION

9.2.1. Information with regard to physical hazard classes:

No additional information available.

9.2.2. Other safety characteristics

Other properties: Pour point: < -30°C (ASTM D97).

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

To our knowledge, the product does not present any particular risk, under normal conditions of use.

10.2. CHEMICAL STABILITY

Stable in use and storage conditions as recommended in item 7.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

10.4. CONDITIONS TO AVOID

Heat.

10.5. INCOMPATIBLE MATERIALS

Strong oxidizers.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008 (1.1)

Acute toxicity (oral)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	Not classified (Based on available data, the classification criteria are not met)

11.1. INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008 (1.2)

STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)

SOGE 100

Viscosity, kinematic 46 mm²/s 40°C - ASTM D445.

11.2. INFORMATION ON OTHER HAZARDS

No additional information available.

12. ECOLOGICAL INFORMATION

12.1. TOXICITY

Ecology - general	Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified

12.2. PERSISTENCE AND DEGRADABILITY

SOGE 100

Persistence and degradability: Readily biodegradable.

12.3. BIOACCUMULATIVE POTENTIAL

No additional information available.

12.4. MOBILITY IN SOIL

No additional information available.

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

No additional information available.

12.6. ENDOCRINE DISRUPTING PROPERTIES

No additional information available.

12.7. OTHER ADVERSE EFFECTS

No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	Empty the packaging completely prior to disposal. Recycle or dispose of in compliance with current legislation.

14. TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN NUMBER OR ID NUMBER

UN-No. (ADR)	Not regulated
UN-No. (IMDG)	Not regulated
UN-No. (IATA)	Not regulated
UN-No. (ADN)	Not regulated
UN-No. (RID)	Not regulated

14.2. UN PROPER SHIPPING NAME

Proper Shipping Name (ADR)	Not regulated
Proper Shipping Name (IMDG)	Not regulated
Proper Shipping Name (IATA)	Not regulated
Proper Shipping Name (ADN)	Not regulated
Proper Shipping Name (RID)	Not regulated

14.3. TRANSPORT HAZARD CLASS(ES) (1.1)

ADR Transport hazard class(es) (ADR)	Not regulated
IMDG Transport hazard class(es) (IMDG)	Not regulated
IATA Transport hazard class(es) (IATA)	Not regulated

14.3. TRANSPORT HAZARD CLASS(ES) (1.2)

ADN Transport hazard class(es) (ADN)	Not regulated
RID Transport hazard class(es) (RID)	Not regulated

14.4. PACKING GROUP

Packing group (ADR)	Not regulated
Packing group (IMDG)	Not regulated
Packing group (IATA)	Not regulated
Packing group (ADN)	Not regulated
Packing group (RID)	Not regulated

14.5. ENVIRONMENTAL HAZARDS

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

14.6. SPECIAL PRECAUTIONS FOR USER**Overland transport:**

Not regulated.

Transport by sea:

Not regulated.

Air transport:

Not regulated.

Inland waterway transport:

Not regulated.

Rail transport:

Not regulated.

14.7. MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

Not applicable.

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants
Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.
Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

No additional information available

15.2. CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out

16. OTHER INFORMATION**ABBREVIATIONS AND ACRONYMS (1.1):**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No	European Community number
EC50	Median effective concentration
EN	European Standard

ABBREVIATIONS AND ACRONYMS (1.2):

IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit

ABBREVIATIONS AND ACRONYMS (1.3):

VOC	Volatile Organic Compounds
CAS-No	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources:

SDS of suppliers. ECHA (European Chemicals Agency).

Full text of H- and EUH-statements:

EUH210 Safety data sheet available on request.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.