



# MATERIAL SAFETY DATA SHEET

ISSUED: 14-04-2010

REVISION DATE: 06-08-2021, SUPERSEDES: 28/06/2018

VERSION: 6.0

According to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 1. Chemical Product and Company Identification

Product form: Mixture

Product name: Cutting Fluid Slow Evaporating

Product Code: 21-S813, 21-S813S-1, 21-S813S-5, 21-S813S-30

Recommended use: Cutting fluid for glass, Industrial use

Company: NFK Glazing & Industrial Supplies

Contact phone: +61 7 3343 3377

Emergency phone: 1800 033 111

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

PRODUCT IDENTIFIER	CHEMICAL NAME	PERCENT	CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]
EC-No.: 926-141-6 REACH-no: 01-2119456620-43	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	> 90%	Asp. Tox. 1, H304
CAS-No.: 5131-66-8 EC-No.: 225-878-4 EC Index-No.: 603-052-00-8 REACH-no: 01-2119475527-28	3-butoxypropan-2-ol; propylene glycol monobutyl ether	1 – 5%	Eye Irrit. 2, H319 Skin Irrit. 2, H315

Full text of H- and EUH-statements: see section 16

## 3. HAZARDS IDENTIFICATION

### 3.1. Classification of the substance or mixture

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

Aspiration hazard, Category 1 H304

Full text of H- and EUH statements: see section 16

Adverse physicochemical, human health and environmental effects

May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.

### 3.2. Label elements

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

Hazard pictograms (CLP) :

GHS08



- Signal word (CLP): Danger
- Contains: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
- Hazard statements (CLP): H304 - May be fatal if swallowed and enters airways.
- Precautionary statements (CLP):

P262 - Do not get in eyes, on skin, or on clothing.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.

P331 - Do NOT induce vomiting.

P501 - Dispose of contents and container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

- EUH-statements: EUH066 - Repeated exposure may cause skin dryness or cracking.
- Extra phrases: For use in industrial installations only.

### 3.3. Other hazards:

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

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

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

First-aid measures general: Call a physician immediately.

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. Call a physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact: Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after ingestion: May result in aspiration into the lungs, causing chemical pneumonia. Risk of lung oedema.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

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

Unsuitable extinguishing media: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: When heated to decomposition, emits dangerous fumes.

Carbon monoxide. Carbon dioxide. Various hydrocarbon fragments.

### 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

General measures: Spill area may be slippery.

#### 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 responders

Protective 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

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

### 6.3. Methods and material for containment and cleaning up

For containment: Liquid spill: take up in sand, earth, vermiculite. Collect the residue by means of a non-combustible absorbent material.

Methods for cleaning up: Take up liquid spill into absorbent material. Wash contaminated area with large amounts of water.

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. 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. Keep away from ignition sources. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products: Strong oxidizers.

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:

In case of insufficient ventilation, wear suitable 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

Physical state: Liquid

Colour: Yellow.

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 explosive limit (LEL): Not available

Upper explosive limit (UEL): Not available

Flash point:  $\geq 70$  °C ASTM D93

Auto-ignition temperature:  $> 270$  °C ASTM E659

Decomposition temperature: Not available

pH: Not available

Viscosity, kinematic:  $< 2$  mm<sup>2</sup>/s 40°C - ASTM D445

Solubility: Not available

Partition coefficient n-octanol/water (Log Kow): Not available

Vapour pressure: Not available

Vapour pressure at 50 °C: Not available

Density: 790 – 810 kg/m<sup>3</sup> 25°C - ASTM D4052

Relative density: Not available

Relative vapour density at 20 °C: Not available

Particle size: Not applicable

Particle size distribution: Not applicable

Particle shape: Not applicable

Particle aspect ratio: Not applicable

Particle aggregation state: Not applicable

Particle agglomeration state: Not applicable

Particle specific surface area: Not applicable

Particle dustiness: 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 :  $< -20$ °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. No flames, no sparks. Eliminate all sources of ignition.

### 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**

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)

**HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS**

LD50 oral rat	> 5000 mg/kg OCDE 401
LD50 dermal rabbit	> 5000 mg/kg OCDE 402
LC50 Inhalation - Rat	> 5000 mg/m <sup>3</sup> 8h - OCDE 403

**3-BUTOXYPROPAN-2-OL; PROPYLENE GLYCOL MONOBUTYL ETHER (5131-66-8)**

LD50 oral rat	3300 mg/kg OCDE 401
LD50 dermal rabbit	> 2000 mg/kg OCDE 402
LC50 Inhalation - Rat (Vapours)	> 3,5 mg/l/4h OCDE 402

- 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)
- STOT-repeated exposure: Not classified (Based on available data, the classification criteria are not met)
- Aspiration hazard: May be fatal if swallowed and enters airways.

**SOGEVER 1200 FG / EU**

Viscosity, kinematic	< 2 mm <sup>2</sup> /s 40°C - ASTM D445
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**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

#### HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

LC50 - Fish [1]	1000 mg/l Oncorhynchus mykiss
EC50 - Crustacea [1]	1000 mg/l Daphnia magna
EC50 72h - Algae [1]	1000 mg/l Pseudokirchneriella subcapitata

#### 3-BUTOXYPROPAN-2-OL; PROPYLENE GLYCOL MONOBUTYL ETHER (5131-66-8)

LC50 - Fish [1]	560 – 1000 mg/l Poecilia reticulata - OCDE 203
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#### 3-BUTOXYPROPAN-2-OL; PROPYLENE GLYCOL MONOBUTYL ETHER (5131-66-8)

EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna - OCDE 202
EC50 72h - Algae [1]	> 1000 mg/l Pseudokirchneriella subcapitata - OCDE 201

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

#### 3-BUTOXYPROPAN-2-OL; PROPYLENE GLYCOL MONOBUTYL ETHER (5131-66-8)

Partition coefficient n-octanol/water (Log Pow)	1,2
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### 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)

#### ADR

Transport hazard class(es) (ADR): Not regulated

#### IMDG

Transport hazard class(es) (IMDG): Not regulated

#### IATA

Transport hazard class(es) (IATA): Not regulated

#### 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) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### 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:

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
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration

**ABBREVIATIONS AND ACRONYMS:**

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
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified

**ABBREVIATIONS AND ACRONYMS:**

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:**

Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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.