Fast Evaporating Cutting Fluid

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: 1100FG/EU
Issue date: 06-04-10 Revision date: 27-08-24 Supersedes version of: 08-03-21 Version: 5.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Fast Evaporating Cutting Fluid
Product code : 21-S812, 21-S812F-1, 21-S812F-5, 21-S812F-30

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

Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : Cutting fluid for glass

1.3. Details of the supplier of the safety data sheet

NFK Glazing & Industrial Supplies
28 Devlan Street, Mansfield
QLD 4122
ABN 30 010 890 712
T: 07 3343 3377
sales@nfk.com.au

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Australia	Poisons Information Centre	Hawkesbury Rd &, Hainsworth St, Westmead NSW 2145	13 11 26	Open 24 hours

SECTION 2: Hazards identification

2.1. 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. May cause long lasting harmful effects to aquatic life.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS08

Signal word (CLP) : Danger
Contains : Hydrocarbons, C11-C14, isoalkanes, cyclics, aromatics; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics; Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.
Precautionary statements (CLP) : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P331 - Do NOT induce vomiting.
P501 - Dispose of contents and container to a hazardous or special waste collection point.

2.3. Other hazards

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

Contains no PBT and/or vPvB substances ≥ 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 substance(s) are 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 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C14, isoalkanes, cyclics, aromatics	EC-No.: 927-285-2 REACH-no: 01-2119480162-45	50 – 80	Asp. Tox. 1, H304 EUH066
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC-No.: 926-141-6 REACH-no: 01-2119456620-43	20 – 50	Asp. Tox. 1, H304 EUH066
3-butoxypropan-2-ol; propylene glycol monobutyl ether	CAS-No.: 5131-66-8 EC-No.: 225-878-4 EC Index-No.: 603-052-00-8 REACH-no: 01-2119475527-28	1 - 10	Eye Irrit. 2, H319 Skin Irrit. 2, H315
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC-No.: 920-107-4 REACH-no: 01-2119453414-43	1 - 10	Asp. Tox. 1, H304 EUH066

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

SECTION 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Foam. Carbon dioxide. 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 : Cool down the containers exposed to heat with a water spray. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill area may be slippery.

For non-emergency personnel

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

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. Notify authorities if liquid enters sewers or 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.

SECTION 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. Protect from sunlight. Keep away from ignition sources. Store locked up. Store in a well-ventilated place. Keep cool.
Incompatible products : Strong oxidizers.

Storage temperature : 5 – 40 °C
Special rules on packaging : Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment symbol(s):

Eye and face protection

Eye protection:
Wear eye protection

Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Wear protective gloves. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard ISO 374-1. Breakthrough time : refer to the recommendations of the supplier

Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Colourless.
Odour : characteristic.
Odour threshold : Not available
Melting point : Not applicable
Freezing point : Not available
Boiling point : Not available
Flammability : Not applicable
Lower explosion limit (LEL) : Not available
Upper explosion limit (UEL) : Not available
Flash point : > 62 °C ASTM D93
Auto-ignition temperature : > 250 ASTM E659

Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	2 mm²/s 40°C - ASTM D445
Solubility	:	Water: Partially soluble
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	760 – 770 kg/m³ 25°C - ASTM D4052
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

Other safety characteristics

Other properties : Pour point : < -20°C (ASTM D97)

SECTION 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.

SECTION 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/m³ 8h - OCDE 403

Hydrocarbons, C12-C15, 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/m³ (4h) - 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)

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)	
pH	7

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)	
pH	7

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 1100 FG / EU	
Viscosity, kinematic	2 mm²/s 40°C - ASTM D445

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Viscosity, kinematic	1,7 mm²/s 40°C

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Viscosity, kinematic	2,3 mm²/s 40°C

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)	
Viscosity, kinematic	3,85 mm²/s 20°C

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long lasting harmful effects to aquatic life. May cause long lasting harmful effects to aquatic life.
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

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
LC50 - Fish [1]	1000 mg/l Oncorhynchus mykiss

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
EC50 - Crustacea [1]	1000 mg/l Daphnia magna
EC50 72h - Algae [1]	1000 mg/l Pseudokirchneriella subcapitata
NOEC chronic algae	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
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

SOGEVER 1100 FG / EU	
Persistence and degradability	Rapidly degradable

Hydrocarbons, C11-C14, isoalkanes, cyclics, aromatics	
Persistence and degradability	Rapidly degradable

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Persistence and degradability	Rapidly degradable

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Persistence and degradability	Readily biodegradable.
Biodegradation	67,6 % 28d

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Partition coefficient n-octanol/water (Log Pow)	> 4

3-butoxypropan-2-ol; propylene glycol monobutyl ether (5131-66-8)	
Partition coefficient n-octanol/water (Log Pow)	1,2

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

14.1. UN number or ID number

Not regulated for transport

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

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

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)	
Reference code	**Applicable on**
3(b)	SOGEVER 1100 FG / EU ; Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics ; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics ; 3-butoxypropan-2-ol; propylene glycol monobutyl ether ; Hydrocarbons, C11-C14, isoalkanes, cyclics, aromatics

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 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
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number

Abbreviations and acronyms:	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
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
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

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

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.