



according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Reference number: 21-S816N
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Cutting Fluid NT
Product code : 21-S816N

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

1.2.1. Relevant identified uses

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

NFK Glazing & Industrial Supplies
28 Devlan Street
Mansfield, QLD 4122, Australia
T +61 7 3343 3377
sales@nfk.com.au

1.4. Emergency telephone number

| Country | Organisation/Company | Website | Emergency number | Comment |
|-----------|----------------------------|---|------------------|---------|
| Australia | Poisons Information Centre | https://www.health.gov.au/contacts/poisons-information-centre | 131 126 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
Full text of H 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. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS08

Signal word (CLP)

: Danger

Contains

: Distillates (petroleum), solvent-dewaxed heavy paraffinic; Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics



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| | |
|--------------------------------|---|
| Hazard statements (CLP) | : H304 - May be fatal if swallowed and enters airways. H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : P273 - Avoid release to the environment. 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. |
| Extra phrases | : For use in industrial installations only. |

2.3. 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

Component

| | |
|---|--|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic(64742-65-0) | 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 |
|---|--|

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---------|---|
| Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics | EC-No.: 920-107-4 REACH-no: 01-2119453414-43 | 50 – 80 | Asp. Tox. 1, H304 |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (Note L) | CAS-No.: 64742-65-0 EC-No.: 265-169-7 | 25 – 50 | Asp. Tox. 1, H304 |
| Alcohols, C16-18 and C18-unsatd., ethoxylated | CAS-No.: 68920-66-1 EC-No.: 500-236-9 | 0,1 – 1 | Skin Irrit. 2, H315 Aquatic Chronic 1, H410 |
| Reaction mass of 4-tert-butylphenyl diphenyl phosphate and bis(4-tert-butylphenyl) phenyl phosphate and triphenyl phosphate | EC-No.: 700-990-0 | 0,1 – 1 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Comments : DMSO <3%

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.



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| | |
|---------------------------------------|---|
| 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 | : 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. |

SECTION 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 | : 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. 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.



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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.
- Special rules on packaging : Keep only in original container. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 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



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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.

SECTION 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 | : > 100 °C ASTM D92 |
| Auto-ignition temperature | : > 270 °C ASTM E659 |
| Decomposition temperature | : Not available |
| pH | : Not available |
| Viscosity, kinematic | : ≈ 6 mm ² /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 | : ≈ 830 kg/m ³ 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 : < -15°C (ASTM D97)



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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

Extremely high or low temperatures.

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, 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/m ³ (4h) - OCDE 403 |

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

| | |
|---------------|--------------|
| LD50 oral rat | > 2000 mg/kg |
|---------------|--------------|

| | |
|-----------------------------------|--|
| 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. (Based on available data, the classification criteria are not met) |

Cutting Fluid NT

| | |
|----------------------|---|
| Viscosity, kinematic | ≈ 6 mm ² /s 40°C - ASTM D445 |
|----------------------|---|

11.2. Information on other hazards

No additional information available



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SECTION 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. Harmful to aquatic life with long lasting effects.
- Hazardous to the aquatic environment, short-term (acute) : Not classified
- Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Hydrocarbons, C12-C15, 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 |
| NOEC chronic algae | 1000 mg/l Pseudokirchneriella subcapitata |

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

| | |
|-----------------|--------------------------------------|
| LC50 - Fish [1] | 10 – 100 mg/l Danio rerio - OCDE 203 |
|-----------------|--------------------------------------|

12.2. Persistence and degradability

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 67,6 % 28d |

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

| | |
|------------------------------|------------------------------------|
| Chemical oxygen demand (COD) | 2,37 g O ₂ /g substance |
| Biodegradation | > 70 % 28 d - OCDE 301B |

12.3. Bioaccumulative potential

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | > 4 |
|---|-----|

Alcohols, C16-18 and C18-unsatd., ethoxylated (68920-66-1)

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 6,13 |
|---|------|

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



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SECTION 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. |

SECTION 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



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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

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

15.1.2. National regulations

No additional information available

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 |
| 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 |



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Abbreviations and acronyms

| | |
|---------|--|
| 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 |
| 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

| | |
|-------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

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.

