

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: FAST DRY SOLVENT CLEANER NSF

Article number: F400

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

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Tygris Industrial
Unit 31
Kyle Road Industrial Estate
Irvine
Ayshire
KA12 8LE
Tel +44 (0) 1294 311 066
Fax +44 (0) 1294 277 115
Email technical@tygrisindustrial.com

Further information obtainable from: Technical Department

1.4 Emergency telephone number: Tel +44 (0) 1294 311 066

2. Hazards identification

2.1. Classification of the substance or mixture

| | | |
|--------------------------------------|-------------------------------|--|
| Classification (EC 1272/2008) | Physical and Chemical Hazards | Flam. Aerosol 1: H222; H229 |
| | Human health | Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H336; |
| | Environment | Aquatic Acute 1: H400; Aquatic Chronic 1: H410 |

Classification (1999/45/EEC)

Most important adverse effects Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water/.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

2.3. Other hazards

In use, may form flammable / explosive vapour-air mixture.

PBT:

This product is not identified as a PBT/vPvB substance.

3. Composition/information on ingredients
3.2. Mixtures

| | |
|--|--|
| PROPAN-2-OL Index No. CAS-No.: 67-63-0 Classification (EC 1272/2008) Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336 | 30-50% REACH Registration No. EINECS: 200-661-7 Classification (67/548/EEC) |
| HEPTANE Index No. CAS-No.: 142-82-5 Classification (EC 1272/2008) Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 | 30-50% REACH Registration No. EINECS: 205-563-8 Classification (67/548/EEC) |
| PROPANE Index No. CAS-No.: 74-98-6 Classification (EC 1272/2008) Flam. Gas 1: H220; Press. Gas: H280 | 10-30% REACH Registration No. EINECS: 200-827-9 Classification (67/548/EEC) |
| BUTANE Index No. CAS-No.: 106-97-8 Classification (EC 1272/2008) Flam. Gas 1: H220; Press. Gas: H280 | 1-10% REACH Registration No. EINECS: 203-448-7 Classification (67/548/EEC) |
| ISOBUTANE Index No. CAS-No.: 75-28-5 Classification (EC 1272/2008) Flam. Gas 1: H220; Press. Gas: H280 | 1-10% REACH Registration No. EINECS: 200-857-2 Classification (67/548/EEC) |

| | |
|-------------------------------|-----------------------------|
| METHANOL | 0.1-1% |
| Index No. | REACH Registration No. |
| CAS-No.: 67-56-1 | EINECS: 200-659-6 |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |
| Flam. Liq. 2: H225; | |
| Acute Tox. 3: H331; | |
| Acute Tox. 3: H311; | |
| Acute Tox. 3: H301; | |
| STOT SE 1: H370 | |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

4. First aid measures

4.1. Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Move to fresh air in case of accidental inhalation of vapours. |
| Ingestion | Do not induce vomiting. Consult a doctor. |
| Skin contact | Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. |
| Eye contact | Bathe the eye with running water for 15 minutes. Consult a doctor. |

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

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

5. Firefighting measures

5.1 Extinguishing Media

Extinguishing media Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3. Advice for firefighters

Advice for fire-fighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. If outside do not approach from downwind.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4. Reference to other sections

Reference to other sections Refer to section 8 of SDS.

7. Handling and storage

7.1 Precautions for safe handling

Handling requirements Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition..

Suitable packaging Must only be kept in original packaging.

7.3. Specific end use(s)

8. Exposure controls/personal protection

8.1. Control parameters

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | |
|-------------|-----|-------------|------------------------|---------------|------------------------|
| PROPAN-2-OL | WEL | | 999 mg/m ³ | | 1250 mg/m ³ |
| HEPTANE | WEL | | 2100 mg/m ³ | | 8400 mg/m ³ |
| PROPANE | WEL | | 1800 mg/m ³ | | 7200 mg/m ³ |
| BUTANE | WEL | | 1450 mg/m ³ | | 1810 mg/m ³ |
| ISOBUTANE | WEL | | 2400 mg/m ³ | | 9600 mg/m ³ |
| METHANOL | WEL | | 266 mg/m ³ | | 333 mg/m ³ |

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Engineering measures

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory equipment

Respiratory protection not required.

Hand protection

Chemically resistant gloves.

Eye protection

Safety glasses. Ensure eye bath is to hand.

Other Protection

Protective clothing.

Environmental

Prevent from entering in public sewers or the immediate environment.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------|----------------------|
| Appearance | Aerosol |
| Colour | Colourless |
| Odour | Characteristic odour |
| Flash point°C | -60 |

9.2. Other information

10. Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Direct sunlight. Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

In combustion emits toxic fumes.

11. Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients

PROPAN-2-OL

| | | | | |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 1088 | mg/kg |
| ORL | MUS | LD50 | 3600 | mg/kg |
| ORL | RAT | LD50 | 5045 | mg/kg |
| SCU | MUS | LDLO | 6 | gm/kg |

HEPTANE

| | | | | |
|-----|-----|------|-----|-------|
| IVN | MUS | LD50 | 222 | mg/kg |
|-----|-----|------|-----|-------|

METHANOL

| | | | | |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 2131 | mg/kg |
| ORL | MUS | LD50 | 7300 | mg/kg |
| ORL | RAT | LD50 | 5628 | mg/kg |

Relevant effects for mixture:

| Effect | Route | Basis |
|------------|---------|-----------------------|
| Irritation | OPT DRM | Hazardous: calculated |

Symptoms / routes of exposure

Inhalation No data available.

Ingestion No data available.

Skin contact No data available.

Eye contact No data available.

Delayed / immediate effects No data available.

Other information Not applicable.

12. Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Toxic to aquatic organisms.

13. Disposal considerations

13.1. Waste treatment methods

Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

15. Regulatory information

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

Uk Regulatory References

Statutory Instruments

Approved Code Of Practice

Guidance Notes

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. Other information

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|------------------------------------|--|
| Phrases used in s.2 and s.3 | H220: Extremely flammable gas. H222: Extremely flammable aerosol. H225: Highly flammable liquid and vapour. H229: Pressurised container: May burst if heated H301: Toxic if swallowed. H304: May be fatal if swallowed and enters airways. H311: Toxic in contact with skin. H315: Causes skin irritation. H319: Causes serious eye irritation. H331: Toxic if inhaled. H336: May cause drowsiness or dizziness. H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. |
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DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.