

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

1.1 Product identifier

Trade name: SILICONE RELEASE NSF

Article number: F418

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
Ayrshire
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	Skin Irrit. 2: H315
	Environment	Aquatic Chronic 2: H411

Classification (1999/45/EEC)

Most important adverse effects Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. 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.
 H411: 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/
 P321: Specific treatment (see instructions on this label).
 P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Supplementary Precautionary Statements

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

BUTANE Index No. CAS-No.: 106-97-8 Classification (EC 1272/2008) Flam. Gas 1: H220; Press. Gas: H280	10-30% 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)
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	10-30% 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	30-50% REACH Registration No. EINECS: 200-827-9 Classification (67/548/EEC)

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

General information	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
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

Unusual Fire & Explosion 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

Special Fire Fighting Procedures 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

Refer to section 8 of SDS.

7. Handling and storage

7.1 Precautions for safe handling

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	
BUTANE	WEL		1450 mg/m3		1810 mg/m3
ISOBUTANE	WEL		2400 mg/m3		9600 mg/m3
HEPTANE	WEL		2100 mg/m3		8400 mg/m3
PROPANE	WEL		1800 mg/m3		7200 mg/m3

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.
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	HEPTANE IVN MUS LD50 222 mg/kg
Inhalation	No data available.
Ingestion	No data available.
Skin contact	No data available.
Eye contact	No data available.
Route of entry	

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.

14. Transport information

14.1. UN number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

14.3. Transport hazard class(es)

ADR/RID/ADN Class	2
ADR/RID/ADN Class	Class 2: Gases
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1

Transport Labels



14.4. Packing group

Packing group Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant Environmentally Hazardous Substance - Yes
Marine Pollutant - No

14.6. Special precautions for user

EMS

Tunnel Restriction Code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

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 H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H411: 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.