

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

1.1 Product identifier

Trade name: PENETRATING OIL NSF

Article number: F412

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 Environment

Classification (1999/45/EEC)

Most important adverse

effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

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

**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.

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.

Compilation Date: 12/06/2015

Page 2 of 9



### 3. Composition/information on ingredients

#### 3.2. Mixtures

PROPANE 1-10%

Index No. REACH Registration No. CAS-No.: 74-98-6 EINECS: 200-827-9

Classification (EC 1272/2008) Classification (67/548/EEC)

Flam. Gas 1: H220; Press. Gas: H280

BUTANE 1-10%

Index No. REACH Registration No. CAS-No.: 106-97-8 EINECS: 203-448-7

Classification (EC 1272/2008) Classification (67/548/EEC)

Flam. Gas 1: H220; Press. Gas: H280

WHITE MINERAL OIL (PETROLEUM) 70-90%

Index No.REACH Registration No.CAS-No.: 8042-47-5EINECS: 232-455-8

Classification (EC 1272/2008) Classification (67/548/EEC)

Asp. Tox. 1: H304

ISOBUTANE 1-10%

Index No. REACH Registration No. CAS-No.: 75-28-5 EINECS: 200-857-2

Classification (EC 1272/2008) Classification (67/548/EEC)

Flam. Gas 1: H220; Press. Gas: H280

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** Remove casualty from exposure ensuring one's own safety whilst doing so. Move

the exposed person to fresh air. Consult a doctor.

**Ingestion** Do not induce vomiting. Consult a doctor.

**Skin contact** Wash immediately with plenty of soap and water.

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

**Inhalation** There may be a feeling of tightness in the chest with shortness of breath.

**Ingestion** There may be irritation of the throat.

**Skin Contact** There may be mild irritation at the site of contact.

**Eye Contact** There may be irritation and redness.

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

Compilation Date: 12/06/2015 Page 3 of 9



### 5. Firefighting measures

5.1 Extinguishing Media

**Extinguishing media** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

**Exposure hazards** Highly flammable. 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. Notify the police and fire

brigade immediately. Eliminate all sources of ignition.

6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures Do not use equipment in clean-up procedure which may produce sparks. Absorb into

dry earth or sand. 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** Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of

the area. Do not handle in a confined space. Avoid the formation or spread of mists

in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Store in a cool, well ventilated area. Keep container tightly closed. Keep away from

sources of ignition. Prevent the build up of electrostatic charge in the immediate area.

Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging** Must only be kept in original packaging.

7.3. Specific end use(s)

Compilation Date: 12/06/2015 Page 4 of 9



# 8. Exposure controls/personal protection

#### 8.1. Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min
PROPANE	WEL	1800 mg/m3	7200 mg/m3
BUTANE	WEL	1450 mg/m3	1810 mg/m3
ISOBUTANE	WEL	2400 mg/m3	9600 mg/m3

WEL = Workplace Exposure Limits

#### 8.2. Exposure controls

**Protective equipment** 





equipment are not a source of ignition.

**Respiratory equipment** Respiratory protection not required.

Hand protection Protective gloves. Chemically resistant gloves.

**Eye protection** Safety glasses. Ensure eye bath is to hand.

Other ProtectionProtective clothing.EnvironmentalNot applicable.

# 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. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

No data available.

### 11. Toxicological information

#### 11.1. Information on toxicological effects

Symptoms / routes of exposure

**Inhalation** There may be a feeling of tightness in the chest with shortness of breath.

**Ingestion** There may be irritation of the throat.

**Skin contact** There may be mild irritation at the site of contact.

**Eye contact** There may be irritation and redness.

**Delayed / immediate effects** No data available.

Other information Not applicable.



### 12. Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation potential.

12.4. Mobility in soil

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Negligible ecotoxicity.

### 13. Disposal considerations

# 13.1. Waste treatment methods

Transfer to a suitable container and arrange for collection by specialised disposal company. Dispose of contents and container according to national regulations.

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** Environmentally Hazardous Substance - No **Substance/Marine Pollutant** 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.

H229: Pressurised container: May burst if heated H304: May be fatal if swallowed and enters airways.

#### **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.