

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

#### 1.1. Product identifier

|                 |                           |
|-----------------|---------------------------|
| Product form    | : Mixture                 |
| Trade name      | : FORCE MAINTENANCE FLUID |
| Product code    | : 21058                   |
| Type of product | : Mixture of hydrocarbons |

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

##### 1.2.1. Relevant identified uses

|                                  |                                  |
|----------------------------------|----------------------------------|
| Intended for general public      |                                  |
| Main use category                | : Professional use, Consumer use |
| Industrial/Professional use spec | : Industrial                     |
|                                  | For professional use only        |
| Use of the substance/mixture     | : Lubricants and additives       |
| Function or use category         | : Lubricants and additives       |

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Assured Solutions Limited  
Units H, J, & K  
Westminster Industrial Estate  
DE12 7DS MEASHAM - U.K.  
T 01530 272 922 - F 01530 272 921  
[sales@assuredsolutionsltd.co.uk](mailto:sales@assuredsolutionsltd.co.uk) - [www.assuredsolutionsltd.co.uk](http://www.assuredsolutionsltd.co.uk)

#### 1.4. Emergency telephone number

|                  |                                                                                      |
|------------------|--------------------------------------------------------------------------------------|
| Emergency number | : 01530 272 922<br>OFFICE HOURS MONDAY TO THURSDAY 8:30-5:30. FRIDAY : 8:30 - 2:00PM |
|------------------|--------------------------------------------------------------------------------------|

### 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

Causes severe skin burns and eye damage. Causes serious eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS08

|                                |                                                                                                                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word (CLP)              | : Danger                                                                                                                                                                                                     |
| Contains                       | : ≥30% aliphatic hydrocarbons.                                                                                                                                                                               |
| Hazard statements (CLP)        | : H304 - May be fatal if swallowed and enters airways.                                                                                                                                                       |
| Precautionary statements (CLP) | : P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P301+P310+P331 - IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting. |

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P405 - Store locked up.

P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## 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] |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------|
| Hydrocarbon, C11-C14, n-Alkanes, Isoalkanes | CAS-No.: 64742-47-8<br>EC-No.: 265-149-8<br>EC Index-No.: 649-422-00-2<br>REACH-no: 01-2119456620-43-xxxx | $\geq 50$ | Asp. Tox. 1, H304                                               |

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.                                                                                     |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.                                        |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| 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 | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : Burns.                  |

### 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. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--------------------------------------------------|

### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--------------------------------------------------|--------------------------------|

### 5.3. Advice for firefighters

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

##### 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.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : 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 : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

#### 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

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### 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

##### Eye protection:

Safety glasses

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles | Droplet              |                 | EN 166   |

##### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

| Skin and body protection |          |
|--------------------------|----------|
| Type                     | Standard |
| Lab coat                 |          |

##### Hand protection:

Protective gloves

| Hand protection   |                        |                   |                |             |                    |
|-------------------|------------------------|-------------------|----------------|-------------|--------------------|
| Type              | Material               | Permeation        | Thickness (mm) | Penetration | Standard           |
| Disposable gloves | Nitrile rubber (NBR)   | 6 (> 480 minutes) | 0.35           |             |                    |
| Disposable gloves | Butyl rubber           | 6 (> 480 minutes) | 0.35           |             | EN 374-2, EN 374-3 |
| Disposable gloves | Neoprene rubber (HNBR) | 6 (> 480 minutes) | 0.45           |             | EN 374-3           |

##### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Wear appropriate mask

| Respiratory protection |             |                                 |          |
|------------------------|-------------|---------------------------------|----------|
| Device                 | Filter type | Condition                       | Standard |
| Reusable half mask     | Type P3     | Protection for Liquid particles | EN 149   |

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|                                                 |                                                             |
|-------------------------------------------------|-------------------------------------------------------------|
| Physical state                                  | : Liquid                                                    |
| Appearance                                      | : Clear, colorless liquid. Colorless to pale yellow liquid. |
| Colour                                          | : Gold.                                                     |
| Odour                                           | : characteristic.                                           |
| Odour threshold                                 | : No data available                                         |
| pH                                              | : No data available                                         |
| Relative evaporation rate (butylacetate=1)      | : No data available                                         |
| Melting point                                   | : Not applicable                                            |
| Freezing point                                  | : No data available                                         |
| Boiling point                                   | : No data available                                         |
| Flash point                                     | : No data available                                         |
| Auto-ignition temperature                       | : No data available                                         |
| Decomposition temperature                       | : No data available                                         |
| Flammability                                    | : Not applicable                                            |
| Vapour pressure                                 | : No data available                                         |
| Relative vapour density at 20°C                 | : No data available                                         |
| Relative density                                | : No data available                                         |
| Density                                         | : $\approx 0.85 \text{ g/cm}^3$                             |
| Solubility                                      | : No data available                                         |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                         |
| Viscosity, kinematic                            | : $< 20.5 \text{ mm}^2/\text{s}$                            |
| Viscosity, dynamic                              | : No data available                                         |
| Explosive properties                            | : No data available                                         |
| Oxidising properties                            | : No data available                                         |
| Explosive limits                                | : No data available                                         |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 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 toxicological effects

|                       |                  |
|-----------------------|------------------|
| Acute toxicity (oral) | : Not classified |
|-----------------------|------------------|

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Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

### Hydrocarbon, C11-C14, n.Alkanes, Isoalkanes (64742-47-8)

|                    |            |
|--------------------|------------|
| LD50 oral rat      | 5000 mg/kg |
| LD50 dermal rabbit | 5000 mg/kg |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : May be fatal if swallowed and enters airways.

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|                      |                           |
|----------------------|---------------------------|
| Viscosity, kinematic | < 20.5 mm <sup>2</sup> /s |
|----------------------|---------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified  
Not rapidly degradable

### Hydrocarbon, C11-C14, n.Alkanes, Isoalkanes (64742-47-8)

|                        |   |
|------------------------|---|
| Additional information | : |
|------------------------|---|

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. 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.

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### SECTION 14: Transport information

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

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|-----------------------------------------|---------------|---------------|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| 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. Transport in bulk according to Annex II of Marpol and the IBC Code

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 substance(s) listed on REACH Annex XVII (Restriction Conditions)

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

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

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

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

##### 15.1.2. National regulations

#### Germany

Employment restrictions

: Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK)

: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

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Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

### Netherlands

SZW-lijst van kankerverwekkende stoffen : Hydrocarbon, C11-C14, n.Alkanes, Isoalkanes is listed

SZW-lijst van mutagene stoffen : Hydrocarbon, C11-C14, n.Alkanes, Isoalkanes is listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – : None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

### Switzerland

Storage class (LK) : LK 6.1 - Toxic materials

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Full text of H- and EUH-statements

|             |                                               |
|-------------|-----------------------------------------------|
| Asp. Tox. 1 | Aspiration hazard, Category 1                 |
| H304        | May be fatal if swallowed and enters airways. |

Safety Data Sheet (SDS) Detergent Regulations

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.