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|  |                          | Revised edition no : 2  |
|  |                          | Date : 22/ 09 / 2015    |
|  |                          | Supersedes : 26/11/2013 |
| <b>TRIBOFOOD X-TREME TF SPRAY</b>  |                          |                         |

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

### 1.1. Product identifier

Identification of the product                      **Aerosol.**  
Trade name    **TRIBOFOOD X-TREME TF SPRAY**

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

\*    **Use**    **Lubricant.**

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

Company identification    : IKV TRIBOLOGY LTD  
Unit 3 Little Castle Business Parc  
Raglan  
Monmouthshire  
NP15 2BX  
Phone: +44 (0) 1291 691953

### 1.4. Emergency telephone number

Emergency phone nr    : Tel: +44 (0) 1291 691953

## SECTION 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification EC 67/548 or EC 1999/45

Classification    : F+; R12

#### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

\*    No data available.

### 2.2. Label elements

#### Labelling EC 67/548 or EC 1999/45

Symbol(s)



R Phrase(s)

S Phrase(s)

: F+ : Extremely flammable.  
: R12 : Extremely flammable.  
: S2 : Keep out of the reach of children.  
: S9 : Keep container in a well-ventilated place.  
: S16 : Keep away from sources of ignition - No smoking.  
: S23 : Do not breathe spray.

\*    **Further Phrases**

: Keep away from sources of ignition - No Smoking. Do not spray on an open flame or other ignition source Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

#### Labelling Regulation EC 1272/2008 (CLP)

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## TRIBOFOOD X-TREME TF SPRAY

### SECTION 2. Hazards identification (continued)

- \* • Hazard pictograms : No data available.
- 2.3. Other hazards**
- Other hazards : In use, may form flammable/explosive vapour-air mixture.

### SECTION 3. Composition/information on ingredients

- \* **Substance / Preparation** : Preparation.
- Components / Impurities** : This product is considered to be hazardous and contains hazardous components.

| Substance name          | Contents | CAS No     | EC No     | Index No | REACH | Classification                                |
|-------------------------|----------|------------|-----------|----------|-------|---|
| LIQUIFIED PETROLEUM GAS | <40 %    | 68476-85-7 | 270-704-2 |          |       | Gas under pressure; H280<br>Flam. Gas 1: H220 |

(contains &lt;0.1% 1,3-butadiène)

See section 16 for the full text of the H-statements noted above.

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

##### First aid measures

- Inhalation : If overcome by exposure, remove victim to fresh air immediately.
- \* - Skin contact : Wash skin thoroughly with mild soap and water. Remove contaminated clothing and shoes. Do not use : Solvent.
- Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Seek medical attention if ill effect or irritation develops.
- Ingestion : Ingestion unlikely. Rinse mouth. Seek medical advice. DO NOT INDUCE VOMITING. Allow the victim to rest.

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

- \* - Skin contact : Repeated or prolonged skin contact may cause degreasing of the skin and dermatitis.
- \* - Inhalation : Overexposure to vapours may result eyes and respiratory irritation, headache, nausea and reduced blood pressure.

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

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical. Carbon dioxide. Foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.


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

- Specific hazards** : Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Under fire conditions, hazardous fumes will be present.

#### 5.3. Advice for firefighters

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## SECTION 5. Firefighting measures (continued)

- |                                |   |
|--------------------------------|---|
| <b>Protection against fire</b> | : Do not enter fire area without proper protective equipment, including respiratory protection.   |
| * <b>Special procedures</b>    | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. |

## SECTION 6. Accidental release measures

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

- |                               |  |
|-------------------------------|--|
| * <b>General precautions</b>  | : Container under pressure. Do not drill or burn even after use. Do not breathe fumes from fires or vapours from decomposition. Remove ignition sources. |
| * <b>Personal precautions</b> | : Equip cleanup crew with adequate protection. No naked lights. No smoking.  |

### 6.2. Environmental precautions

**Environmental precautions** : Notify authorities if product enters sewers or public waters ways.

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

**Clean up methods** : Use suitable disposal containers. Sweep or shovel spills into appropriate container for disposal.

### 6.4. Reference to other sections

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

- |                 |  |
|-----------------|--|
| <b>General</b>  | : Container under pressure. Do not drill or burn even after use. No smoking.<br>Do not spray on an open flame or other ignition source                         |
| <b>Handling</b> | : When using do not eat or drink. Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. |

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

**Storage** : Keep at temperature not exceeding 50°C. Store in dry, cool, well-ventilated area. Use special care to avoid static electric charges. Keep away from food, drink and animal feed stuffs.

**Storage - away from** : Direct sunlight. Heat sources. Sparks. Open flame.

### 7.3. Specific end use(s)

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

- |                                   |   |
|-----------------------------------|---|
| <b>Personal protection</b>        |   |
| * <b>- Respiratory protection</b> | : Where excessive vapour may result, wear approved respiratory protection.  |
| * <b>- Skin protection</b>        | : Avoid contact with skin. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn. |
| <b>- Eye protection</b>           | : Goggles.  |
| <b>- Hand protection</b>          | : Gloves.   |
| <b>Industrial hygiene</b>         | : Provide adequate ventilation to minimize dust and/or vapour concentrations. When using, do not eat, drink or smoke.           |

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#### SECTION 8. Exposure controls/personal protection (continued)

##### 8.2. Exposure controls

Occupational Exposure Limits : Dimethoxymethane : TLV© -TWA [mg/m<sup>3</sup>] : 1000

#### SECTION 9. Physical and chemical properties

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

Physical state at 20 °C : Oily liquid.  
Colour : Whitish-grey.  
pH value : Not applicable.  
Flash point [°C] : <0  
Density : 0.84  
Solubility in water [vol/vol] : Material insoluble in water.  
\* Viscosity : Not applicable.

##### 9.2. Other information

Other data : Aerosols dispensers.

#### SECTION 10. Stability and reactivity

##### 10.1. Reactivity

- \* Not expected to present a significant hazard under anticipated conditions of normal use.

##### 10.2. Chemical stability

- \* Stable under normal conditions of storage, handling and use.

##### 10.3. Possibility of hazardous reactions

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

##### 10.4. Conditions to avoid

- \* Conditions to avoid : Contains gas under pressure; may explode if heated

##### 10.5. Incompatible materials

Materials to avoid : -

##### 10.6. Hazardous decomposition products

Hazardous decomposition products : None under normal conditions. Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Hydrogen fluoride. Toxic vapours.


#### SECTION 11. Toxicological information

##### 11.1. Information on toxicological effects

- Inhalation : Overexposure to vapours may result eyes and respiratory irritation, headache, nausea and reduced blood pressure.
- Dermal : Repeated or prolonged skin contact may cause degreasing of the skin and dermatitis.
- Ocular : Direct contact with the eyes is likely irritating.

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## SECTION 12. Ecological information

### 12.1. Toxicity

On product : Prevent entry to sewers and public waters ways.

### 12.2. Persistence and degradability

\* No data available.

### 12.3. Bioaccumulative potential

\* No data available.

### 12.4. Mobility in soil

\* No data available.

### 12.5. Results of PBT and vPvB assessment

\* No data available.

### 12.6. Other adverse effects

\* No data available.

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

**General** : Container under pressure. Do not drill or burn even after use.  
 WHEN TOTALLY EMPTY, containers are recyclable like any other packing.  
 When not empty dispose of this container at hazardous or special waste collection point.  
 Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14. Transport information

### 14.1. UN number

#### General information

UN No. : 1950

### 14.2. UN proper shipping name

Shipping name : UN1950 AÉROSOLS, 2.1, 5F, (D)

### 14.3. Transport hazard class(es)

19 - Labelling ADR



: 2.1: Flammable gases

#### Land transport

#### ADR/RID

: Group : F  
 Class : 2

#### H.I. nr

: --

- Proper shipping name


: UN1950 AÉROSOLS, 2.1, 5F, (D)

- ADR Class

: 2

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#### SECTION 14. Transport information (continued)

- ADR Packing group : F

**Emergency action in case of accident** : Stop the engine.  
 No naked lights. No smoking.  
 Mark roads and warns other road users.  
 Keep public away from danger area.  
 NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

##### Sea transport

- IMO-IMDG code : Class 2

IMO Packing group : F

- IMDG-Marine pollution : - ò

- EMS-Nr : F-D S-U

##### Air transport

- ICAO/IATA : Packaging instructions cargo : 203  
 Packaging instructions passenger: 203

- Proper shipping name : AEROSOLS

- IATA - Class or division : 2

IATA Packing group : F

#### 14.4. Packing group

#### 14.5. Environmental hazards

**In case of spillage and/or leakage** : Clean up even minor leaks or spills if possible without unnecessary risk.

#### 14.6. Special precautions for user

**Personal precautions** : The driver shall not attempt to deal with any fire of the load.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

#### SECTION 15. Regulatory information

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

- \* Ensure all national/local regulations are observed.  
 Directive 2006/121/EC of the European Parliament and of the Council of 18 December 2006.  
 Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006.  
 Regulation (EC) No 453/2010 of the European Parliament and of the Council of 20 May 2010.
- **Symbol(s)** : F+ : Extremely flammable.
- **R Phrase(s)** : R12 : Extremely flammable.
- **S Phrase(s)** : S2 : Keep out of the reach of children. S9 : Keep container in a well-ventilated place. S16 : Keep away from sources of ignition - No smoking. S23 : Do not breathe spray.


##### 15.2. Chemical safety assessment

#### SECTION 16. Other information

- Recommended uses and restrictions** : See product bulletin for detailed information.
- \* **List of relevant H phrases (Section 3)** : H220 - Extremely flammable gas  
 H225 - Highly flammable liquid and vapour  
 H280 - Contains gas under pressure; may explode if heated

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#### SECTION 16. Other information (continued)

**Text of R-Phrases in § 3** : R11 : Highly flammable.  
: R12 : Extremely flammable.  
**Further information** : Revision - See : \*

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006 and 453/2010 of the European Parliament and of the Council.

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