



Safety Data Sheet

## ACTIVATE FOODCARE DEGREASER



Nonfood Compounds  
Program Listed K2  
Registration No 135628

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

#### 1.1. Product identifier

Product name: Activate Foodcare Degreaser  
Product code:

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

Identified uses: Solvent cleaner for food industry.  
Uses advised against: Do not use on live electrics – potential ignition.

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

Company name: Activate Lubricants Ltd  
Furthermore Hall  
CM7 4TX  
United Kingdom  
Tel: +44 (0)1371 812970  
Email: sales@activatelube.co.uk

#### 1.4. Emergency telephone number

Emergency Tel: 01371 812970

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### 2.2.1 Regulation EC 1272/2008:

Aerosol (cat 1) Extremely flammable

#### 2.2. Label elements



Signal word(s): Danger

Hazard statements:

H222 Extremely flammable aerosol  
H229 Pressurised container: may burst if heated  
H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness  
EU0H66 Repeated exposure may cause skin dryness or cracking  
H412 Harmful to aquatic life with long lasting effects  
Precautionary statements: P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P211 Do not spray on an open flame or other ignition source



- P243 Take precautionary measures against static discharge  
P251 Pressurised container – do not pierce or burn, even after use  
P261 Avoid breathing vapour/spray  
P271 Use only outdoors or in well-ventilated area  
P280 Wear protective gloves/eye protection  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C

### 2.3. Other hazards

The mixture does not contain any vPvB or PBT substances.  
Danger of bursting (explosion) when heated over 50°C.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

| Hazardous Ingredients                              | %W/W  | CAS No<br>EC No         | Reach Reg No     | Hazard<br>PICT/Statements   |
|--|-------|-------------------------|------------------|---|
| Hydrocarbon aerosol propellant<br>(<0.1 butadiene) | 25-50 | 68476-85-7<br>270-704-2 | N/A              | Flam gas1, H220   |
| Hydrocarbons,C10-C12<br>isoalkanes <2% aromatics   | 10-25 | –<br><br>923-037-2      | 01-2119471991-29 | Flam liq 3, H226<br>Asp tox 1, H304<br>Aq chronic 2, H411<br>EUH066 |
| Hydrocarbons C11-C13<br>isoalkanes, <2% aromatics  | 1-10  | Proprietary<br>mixture  | N/A              | Asp tox 1 H304<br>EUH066<br>Flam liq 3 H226                         |
| Propan-2-ol  | 25-50 | 67-63-0<br>200-661-7    | 01-2119457558-25 | Flam liq 2, H225<br>Eye irritant 2, H319<br>STOT SE3, H336          |
| Carbon dioxide                                     | <5    | 124-38-9<br>204-696-9   | N/A              | (EU exposure limits<br>apply)                                       |

### 3.3. Additional information

See section 16 for full text of H phrases.

## Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact:

Remove severely contaminated clothing. Wash with soap and water.  
Obtain medical attention if any discomfort occurs.

Eye contact:

Remove contact lenses. Rinse with water immediately for at least 10 minutes. Obtain medical attention if any discomfort continues.

Ingestion:

If swallowed, drink plenty of water. Do not induce vomiting. Obtain immediate medical attention.

Inhalation:

Move to fresh air. Provide rest and warmth. If effects occur, obtain medical attention.



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

The following symptoms may be apparent depending upon the routes of absorption as detailed in 4.1 above; serious eye irritation, headache, nausea, dizziness, respiratory tract irritation. Resultant acute/long-term effect to the CNS, dermatitis, vomiting, diarrhoea and are further detailed in section 11.

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

Excessive exposure may aggravate pre-existing asthma and other respiratory disorders.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Powder, alcohol resistant foam. CO2, dry chemicals.  
Unsuitable extinguishing media: Water stream.

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

Exposure hazards: May produce oxides of Carbon and other combustion products. Danger of explosion when heated. Contents will add to fuelling of fire. Solvent vapours may form explosive mixtures with air.

#### 5.3. Advice for fire-fighters

Advice for fire-fighters: Wear SCBA. Keep containers cool by spraying with water. Ventilate closed spaces before entering.

### Section 6: Accidental release measures

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

Personal precautions: Remove possible sources of ignition. Ensure sufficient ventilation. Wear suitable protective equipment as in Section 8.

#### 6.2. Environmental precautions

Environmental precautions: Prevent from entering drainage systems or water courses.

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

Clean-up procedures: If spray or gas escapes, ensure plenty of fresh air / ventilation. Absorb spilled contents on inert material such as sand or earth – collect and dispose of as in section 13. Scrub area with detergent and water.

#### 6.4. Reference to other sections

Reference to other sections: For PPE and disposal see sections 8 and 13 respectively.

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling requirements: Only use in areas with good ventilation. Keep away from any sources of ignition including live electrics. Do not use on hot surfaces. Take precautions against static discharge. Wash hands after use and before eating. Remove contaminated clothing.



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

Storage conditions:

Store in a cool, dry, ventilated area. Keep protected from direct sunlight and temperatures above 50°C.

## 7.3. Specific end use(s)

Specific end use(s):

For general degreasing applications and such uses for indirect food contact equipment and machinery.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

Workplace exposure limits:

| Ingredients                                      | LTEL 8 Hr              | STEL 15 min | Note |
|--|------------------------|-------------|------|
| Hydrocarbon aerosol propellant ( <0.1 butadiene) | 1000 ppm               | 1250 ppm    | EH40 |
| Hydrocarbons, Isoalkanes <2% aromatics           | 1200 mg/m <sup>3</sup> | -           | EH40 |
| Propan-2-ol                                      | 400 ppm                | 500 ppm     | EH40 |
| Carbon dioxide                                   | 5000 ppm               | 15000 ppm   | EH40 |

Biological limit value:

Not established

PNECs, DNELs:

Not established

### 8.2. Exposure controls

8.2.1 Appropriate engineering controls - Ensure good ventilation /local exhaust ventilation to keep airborne contaminants below exposure limits.

8.2.2 Personal protective equipment:

Eye / face protection - Safety goggles/glasses should be worn.

Skin protection - Nitrile gloves (EN 374). See glove manufacturer data for glove selection and breakthrough time for use conditions.

Respiratory protection - Not required with good ventilation. Type RPE otherwise.

Thermal hazards - Not applicable

8.2.3 Environmental exposure controls - See sections 6, 12, 13.

## Section 9: Physical and chemical properties

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

Appearance/physical state: Aerosol

Colour: Clear, colourless

Odour: Strong alcoholic

Odour threshold: Not established

pH: Not applicable

Melting /freezing point: < 0°C

IBP /boiling range: < 0°C

Flash Point: < 0°C



|   |                           |
|---|---------------------------|
| Evaporation rate:                           | Not established           |
| Flammability (gas):                         | Extremely flammable       |
| Upper /lower explosive limits:              | 1.8% - 9.4% by volume     |
| Vapour pressure:                            | Approx 5 bar at 20°C      |
| Vapour density:                             | Not established           |
| Relative density:                           | Not applicable            |
| Solubility:                                 | Limited water miscibility |
| Partition coefficient<br>(n-octanol/water): | Not established           |
| Auto-ignition temperature:                  | Not established           |
| Decomposition temperature:                  | Not established           |
| Viscosity:                                  | Not applicable            |
| Explosive properties:                       | Not established           |
| Oxidising properties:                       | None                      |

## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Chemical stability: Stable under proper storage and handling conditions.

### 10.3. Possibility of chemical reactions

Chemical reactions: No dangerous reactions known.

### 10.4. Conditions to avoid

Conditions to avoid: Heat, flame and other ignition sources. Pressurised container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use.

### 10.5. Incompatible materials

Materials to avoid: Avoid contact with strong oxidising agents.

### 10.6. Hazardous decomposition products

Haz. decomp. products: None when used as directed.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.2. Mixtures

|                           |                     |
|---------------------------|---------------------|
| Acute toxicity            | } No data available |
| Irritation                |                     |
| Corrosivity               |                     |
| Sensitisation             |                     |
| Repeated dose toxicity    |                     |
| Carcinogenicity           |                     |
| Mutagenicity              |                     |
| Toxicity for reproduction |                     |



Other information:

May cause irritation and discomfort to eyes. Prolonged or repeated contact may cause irritation and dermatitis. High concentrations of vapours may cause drowsiness and dizziness. Ingestion may cause irritation to mouth and cause damage to respiratory system.

#### Hydrocarbons, Isoalkanes <2% aromatics

| Toxicity / Effect                      | Endpoint | Value      | Organism | Method   | Notes   |
|--|----------|------------|----------|----------|---|
| Acute Tox - Oral                       | LD50     | >5000mg/kg | Rat      | OECD 401 | Harmful, gastrointestinal symptoms                                    |
| Acute Tox - Inhal                      | LD50     | >5000mg/l  | Rat      | OECD 403 | Narcotic effect. Respiratory irritation                               |
| Acute Tox - Derm                       | LD50     | >5000mg/kg | Rabbit   | OECD 402 | Minimally toxic   |
| Skin corrosion / Irritation            |          |            |          | OECD 404 | Repeated exposure may cause skin dryness or cracking                  |
| Serious eye damage / Irritation        |          |            |          | OECD 405 | Irritating and may cause redness and pain                             |
| Sensitisation - Respiratory or Skin    |          |            |          | OECD 406 | Not expected to be respiratory or skin sensitiser.                    |
| Aspiration                             |          |            |          |          | May be fatal if swallowed and enters airways                          |
| Germ Cell Mutagenicity                 |          |            |          | OECD 471 | Not expected to be germ cell mutagen, analogous conclusion.           |
| Carcinogenicity                        |          |            |          |          | No evidence of carcinogenicity  |
| Reproductive toxicity                  |          |            |          | OECD 414 | Negative, analogous conclusion  |
| Lactation                              |          |            |          |          | Not expected to cause harm to breast-fed children                     |
| Specific Target Organ Toxicity STOT-SE |          |            |          |          | May cause drowsiness or dizziness                                     |
| STOT - repeated exposure               |          |            |          | OECD 413 | Not expected to cause organ damage from prolonged / repeated exposure |



## Propan-2-ol

| Toxicity / Effect                   | Endpoint | Value      | Organism   | Method                                     | Notes           |
|-------------------------------------|----------|------------|------------|--|-----------------|
| Acute Tox - Oral                    | LD50     | >2000mg/kg | Rat        |  |                 |
| Acute Tox- Derm                     | LD50     | >2000mg/kg | Rabbit     |  |                 |
| Skin corrosion / Irritation         |          |            | Rabbit     |  | Not irritating  |
| Serious eye damage / Irritation     |          |            | Rabbit     |  | Irritating      |
| Sensitisation – Respiratory or Skin |          |            | Guinea pig | Buehler test                               | Not sensitising |
| Germ Cell Mutagenicity              |          |            |            |  |                 |
| Genotox in vitro                    |          |            |            | Ames test, Salmonella typhi – with/without | Not mutagenic   |

Hydrocarbon aerosol propellant (<0.1% Butadiene)

General:

In low concentrations may cause narcotic effects. Symptoms include dizziness, headache, nausea and loss of co-ordination.

## Section 12: Ecological information

Mixture:

12.1

12.2

12.3

12.4

12.5

12.6

Toxicity

Persistence and degradability

Bioaccumulative potential

Mobility in soil

Results of PBT and vPvB assessment

Other adverse effects

No data available

## Hydrocarbons, C10-C12 Isoalkanes <2% aromatics

### 12.1. Toxicity

Toxicity:

Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

| Test              | Duration | Organism            | Method | Result    | Notes |
|-------------------|----------|---------------------|--------|-----------|-------|
| Aquatic - acute   | 48 hrs   | Daphnia magna       | ECO    | 1000mg/l  |       |
| Aquatic - acute   | 72 hrs   | Algae               | IC 50  | >1000mg/l |       |
| Aquatic - acute   | 96 hrs   | Oncorhynchus mykiss | LC50   | 1000mg/l  |       |
| Aquatic - chronic | 21 days  | Daphnia magna       | NOEC   | 0.097mg/l |       |

### 12.2. Persistence and degradability

Persistence and degradability: Not readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.



#### 12.4. Mobility in soil

Mobility: Not soluble in water - no soil mobility.

#### 12.5. Results of PBT and vPvB assessment

PBT identification: Contains no PBT or vPvB components.

#### 12.6. Other adverse effects

Other adverse effects: None determined

### Hydrocarbons, C11-C13 Isoalkanes <2% aromatics

#### 12.1. Toxicity

Toxicity: Not expected to be harmful to aquatic organisms.

| Test              | Duration | Organism      | Method     | Result   | Notes                       |
|-------------------|----------|---------------|------------|----------|-----------------------------|
| Aquatic - acute   | 48 hrs   | Invertebrate  | ECO        | 1000mg/l | Not tox at water solubility |
| Aquatic - acute   | 72 hrs   | Algae         | NOELR /ELO | 1000mg/l | Not tox at water solubility |
| Aquatic - acute   | 96 hrs   | Fish          | LLO        | 1000mg/l | Not tox at water solubility |
| Aquatic - chronic | 21 days  | Daphnia magna | NOEC       | >= 1mg/l |                             |

#### 12.2. Persistence and degradability

Expected to be inherently biodegradable. Transformation due to hydrolysis /photolysis not expected to be significant. Expected to degrade rapidly to air.

| Media | Test type              | Duration | Result | Notes |
|-------|------------------------|----------|--------|-------|
| Water | Ready biodegradability | 28 days  | <60%   |       |

#### 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

#### 12.4. Mobility in soil

Mobility: Highly volatile, will rapidly partition to air. Not expected to partition to sediment and wastewater solids.

#### 12.5. Results of PBT and vPvB assessment

PBT identification: Contains no PBT or vPvB components.

#### 12.6. Other adverse effects

Other adverse effects: None determined





## Propan – 2 – ol

### 12.1. Toxicity

| Test  | Duration | Organism                | Method | Result   | Notes            |
|---|----------|-------------------------|--------|----------|------------------|
| Toxicity to fish                            | 48 hrs   | Leucisus idus melanotus | LC50   | >100mg/l | Static Lit value |
| Toxicity to daphnia /other aq invertibrates | 48 hrs   | Daphnia magna           | EC50   | >100mg/l | Static Lit value |
| Toxicity to algae                           | 72 hrs   | Scenedesmus subspicatus | EC 50  | >100mg/l | Static Lit value |

### 12.2. Persistence, degradability and bioaccumulation potential

| Media | Test type              | Duration                | Result | Notes     |
|-------|------------------------|-------------------------|--------|-----------|
| Water | Ready biodegradability | 10 days (content 7mg/l) | <70%   | Lit value |

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

### 12.4. Mobility in soil

Mobility: No data available.

### 12.5. Results of PBT and vPvB assessment

PBT identification: Contains no PBT or vPvB components.

### 12.6. Other adverse effects

Other adverse effects: No data available.

Hydrocarbon aerosol propellant (<0.1% Butadiene)

General: No known ecological damage.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods: Empty containers must not be burnt or incinerated because of explosion hazard. Dispose of in accordance with local authority guidelines. Empty aerosol products may be recyclable via local authority.

## Section 14: Transport information

### 14.1. UN Number

UN Number: 1950

### 14.2. UN proper shipping name

UN proper shipping name: Aerosols



- 14.3. Transport hazard class  
Transport hazard class: 2 (UN/IMDG)  
ADR classification code: 5F
- 14.4. Packing group  
Packing group: None
- 14.5. Environmental hazards  
Environmental hazards: Not applicable

### Section 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the mixture  
REACH: 1907/2006  
CLP: 1272/2008  
DPD: 199/45/EC  
COSHH: 2002 (as amended)
- 15.2. Chemical Safety Assessment  
Chemical Safety Assessment: A CSA has not been carried out for this mixture.

### Section 16: Other information

- Other information  
Registration: Activate Foodcare Degreaser contains only FDA listed ingredients. NSF K2 registered. Registration No 135628.  
This product is free from all allergens listed on the current FSA allergen list. Available on our website at [www.activatelube.co.uk](http://www.activatelube.co.uk)
- Revision date: As in footer.
- Legend to abbreviations:  
LTEL Long term exposure limit  
STEL (SE) Short term exposure limit (Single exposure)  
STOT Specific target organ toxicity  
PNEC Predicted no effect concentration  
DNEL Derived no effect level
- Hazard statements –  
Referred to in section 3:  
H220 Extremely flammable gas  
H225 Highly flammable liquid and vapour  
H226 Flammable liquid and vapour  
H304 May be fatal if swallowed and enters airways  
H411 Toxic to aquatic life with long lasting effects
- Classification methods used to derive classification of mixture: Classification according to calculation procedure detailed in EC1272/2008
- Additional information: This safety data sheet has been produced based on information supplied by the manufacturers of the materials therein and is believed to be accurate. No warranty is expressed or implied by this information. It is for the user to satisfy themselves of the suitability of the product for their own purposes.