



Safety Data Sheet

ACTIVATE FOODCARE HIGH LOAD



Nonfood Compounds
Program Listed H1
Registration No 143448

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

1.1. Product identifier

Product name: Activate Foodcare High Load
Product code:

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

Use of substance / mixture: Lubricant, General machinery, Indirect food contact

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:

Precautionary statements:

H222 Extremely flammable aerosol
H229 Pressurised container: may burst if heated
H412 Harmful to aquatic life with long lasting effects
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
- 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 EC No	Reach Reg No	Hazard PICT/Statements
Hydrocarbon aerosol propellant (<0.1 butadiene)	40-60	68476-85-7 270-704-2	N/A	Flam gas1, H220
Hydrocarbons,C10-C12 isoalkanes <2% aromatics	10-25	– 923-037-2	01-2119471991-29	Flam liq 3, H226 Asp tox 1, H304 Aq chronic 2, H411 EUH066
n-Pentane	≤5	109-66-0 203-692-4	01-2119459286-30	Flam liq 1 H224 Asp tox 1 H304 STOT SE3 H336 Aq chronic 2 411 EUH066

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; 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 to prevent slippery residues.

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. Take precautions against static discharge. Do not use on hot surfaces. 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 lubricant 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 ³	–	EH40
n-Pentane	600 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:	White grease
Odour:	Mild, solvent
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 3 bar at 20°C
Vapour density:	Not established
Relative density:	Not applicable



Solubility:	Negligible water miscibility
Partition coefficient (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.
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10.2. Chemical stability

Chemical stability:	Stable under proper storage and handling conditions.
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10.3. Possibility of chemical reactions

Chemical reactions:	No dangerous reactions known.
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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.
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10.5. Incompatible materials

Materials to avoid:	Avoid contact with strong oxidising agents.
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10.6. Hazardous decomposition products

Haz. decomp. products:	None when used as directed.
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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. Harmful: possible risk of irreversible effects through inhalation.
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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	LC50	>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

n-Pentane

Acute Tox - Oral	LD 50	>2000mg/kg	Rat		Slightly toxic
Acute Tox - Inhal	LC50	>25.3mg/l	Rat		Slightly toxic
Acute Tox - Derm	LD50				Slightly toxic
Aspiration					May be fatal if swallowed and enters airways

Skin irritation					Not classified as irritant
Eye irritation					Not classified as irritant
Sensitisation					Not classified as a sensitiser
STOT - repeated exposure					Not expected to cause damage to organs from prolonged or repeated exposure
Mutagenicity					No evidence of effect
Carcinogenicity/teratogenicity/reproductive tox					No indication of effect

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

n-Pentane

12.1. Toxicity

Toxicity: May cause long term effects in the aquatic environment.

Test	Duration	Organism	Method	Result	Notes
Aquatic - acute	96 hrs	Oncorhynchus mykiss	LC50	4.26mg/l	
Aquatic - acute	48 hrs	Daphnia magna	EC50	2.7mg/l	
Aquatic - acute	72 hrs	Algae	NOEC	7.51mg/l	
Aquatic - acute	72 hrs	Algae	EC50	10.7mg/l	

12.2. Persistence and degradability

Atmospheric: Expected to be readily biodegradable. Degrades rapidly to air
 Photo degradation: Half life (direct photolysis) – 3.95 days. No significant photolysis
 Stability in water: Degradation 87% (28 days). Non-significant hydrolysis

12.3. Bioaccumulative potential

Bioaccumulative potential: Not determined.

12.4. Mobility in soil

Mobility: Because of its high volatility, is unlikely to cause ground or water pollution.

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

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 substance or 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 High Load contains only FDA listed ingredients. NSF H1 registered. Registration No 143448. This product is free from all allergens listed on the current FSA allergen list. Available on our website at 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 H224 Extremely flammable liquid and vapour H225 Highly flammable liquid and vapour H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways



Classification methods used to
derive classification of mixture:

Additional information:

H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
EUOH66	Repeated exposure may cause skin dryness or cracking

Classification according to calculation procedure detailed in
EC1272/2008

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