Safety Data Sheet

ACTIVATE FOODCARE PENETRATING OIL

Nonfood Compounds
Program Listed H1
Registration No 135632

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

1.1. Product identifier

Product name:	Activate Foodcare Penetrating Oil
Product code:	

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

Use of substance / mixture:	Lubricating Oil

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
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
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50^0C

2.3. Other hazards

The mixture does not contain any vPvB or PBT substances.
Danger of bursting (explosion) when heated over 50^0C.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous Ingredients	%W/W	CAS N_0 EC N_0	Reach Reg No	Hazard PICT/Statements
Hydrocarbon aerosol propellant (<0.1 butadiene)	25-50	68476-85-7 270-704-2	N/A	Flam gas1, H220

Contains no active materials classified as hazardous under CLP regulations.

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^{0}C.

7.3. Specific end use(s)

Specific end use(s):	For general penetrating oil 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
Oil mists	5mg/m^3		NIOSH

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 if there is a risk of eye contact.
Skin protection: Nitrile gloves (EN 374). See glove manufacturer data for glove selection and breakthrough time for use conditions.
Respiratory protection: Not required under normal circumstances. Type RPE if required.
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: LPG
Odour threshold: Not established
pH: Not applicable
Melting /freezing point: < 0^0C
IBP /boiling range: < 0^0C
Flash Point: < 0^0 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 20^0C
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.

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^{0}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
Irritation
Corrosivity
Sensitisation
Repeated dose toxicity
Carcinogenicity
Mutagenicity
Toxicity for reproduction

} No data available

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.

Synthetic base oil

Toxicity / Effect	Endpoint	Value	Organism	Method	Notes
Acute Tox - Oral	LD50	>2000mg/kg			Analogous compounds
Acute Tox - Derm	LD50	>2000mg/kg			Analogous compounds
Skin corrosion / Irritation					Not irritating
Serious eye damage / Irritation					Irritating
Sensitisation - Respiratory or Skin					Not sensitising
Subacute, subchronic and prolonged toxicity					No data

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	Toxicity	No data available
12.2	Persistence and degradability	
12.3	Bioaccumulative potential	
12.4	Mobility in soil	
12.5	Results of PBT and vPvB assessment	
12.6	Other adverse effects	

Synthetic base oil

12.1. Toxicity

Test	Duration	Organism	Method	Result	Notes
Aquatic Toxicity	96 hrs	Rainbow trout	LL50	>1000mg/l	Very low toxicity
Toxicity to algae	72 hrs	Algae	EC 50	>1000mg/l	

12.2. Persistence and degradability

Persistence and degradability: Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data.

12.4. Mobility in soil

Mobility: Material does not evaporate from surface soil or water. It is insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification:	Contains no PBT or vPvB components.

12.6. Other adverse effects

Other adverse effects:	Water Hazard Class WGK=1 (Germany).

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 Penetrating Oil contains only FDA listed ingredients. NSF H1 registered. Registration No 135632. 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
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.	