



SAFETY DATA SHEET

According to EC Regulations 1907/2006 & 1272/2008

NTL SDS 233 - 1.0

April 2016

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FS MULTI LUBE

SECTION 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY / UNDERTAKING

- 1.1 **Product Name:** FS Multi Lube
1.2 **Identified uses:** Lubricant
Uses advised against None known
1.3 **Details of supplier of sds:** Nettex, Units 1 -2 Hoo Industrial Est, Vicarage Lane
Hoo, Rochester, Kent ME3 9LB (ph 01634 257150)
E Mail (competent person) info@net-tex.co.uk
1.4 **Emergency Telephone:** +44 (0)1634 257150 (09.00 -17.00 GMT Monday to Friday)

SECTION 2. HAZARDS IDENTIFICATION

- 2.1 **Classification of the substance /mixture:**
2.1.1 **Regulation EC 1272/2008:**
Aspiration tox (cat 1) May be fatal if swallowed and enters airways

2.2 **Label elements:**



Signal word(s): Danger

Hazard statements:

H304: May be fatal if swallowed and enters airways
EUOH66 Repeated exposure may cause skin dryness or cracking

Precautionary statements:

P 301 +310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor
P331 Do NOT induce vomiting
P501 Dispose of contents/ container to an approved waste disposal plant
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking

2.3 Other hazards

The mixture does not contain any vPvB or PBT substances.

Product is combustible and flammable vapours could be formed especially if subjected to heat

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture:

HAZARDOUS INGREDIENTS	%W/W	CAS No EC No	REACH REG NO	HAZARD PICT/STATEMENTS
Hydrocarbons C11-C13 isoalkanes, <2% aromatics	>90	N/A (mixture)	N/A	Asp tox 1 H304 EUOH66

3.3 Additional information

See sect 16 for full text of H phrases.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

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

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

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

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

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

No important symptoms or effects

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

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

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

May produce oxides of Carbon and other combustion products. Contents will add to fuelling of fire.

5.3 Advice for firefighters

Wear SCBA. Keep containers cool by spraying with water. Ventilate closed spaces before entering.

Combustible – flash point $\geq 61^{\circ}\text{C}$

SECTION 6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient ventilation. Wear suitable protective equipment as in Sect 8.

6.2 Environmental precautions.

Prevent from entering drainage systems or water courses.

6.3 Methods and material for containment and clearing

If liquid escapes, ensure plenty of fresh air / ventilation. Absorb spilled contents on inert material such as sand or earth - collect and dispose of as in Sect 13. Scrub area with detergent and water.

6.4 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

Only use in areas with good ventilation. Keep away from all sources of ignition. Do not use on hot surfaces
.Wash hands after use and before eating. Do not breathe vapours / spray mist. Remove contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Store tightly closed, in a cool, dry, ventilated area. Prevent exposure to high temperatures.

7.3 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
Hydrocarbons, Isoalkanes <2% aromatics (vapour)	1200 mg/m ³	–	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 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 – If engineering controls do not maintain safe level, then filter/respirator. Type A filter material.

8.2.3 Environmental exposure controls – See sects 6,12, 13.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance/physical state:	Thin liquid
Colour:	Clear, colourless
Odour:	Mild solvent
Odour threshold:	Not established

pH:	Not applicable
Melting /freezing point:	< 0°C
IBP /boiling range:	150°C
Flash Point	≥61° C
Evaporation rate:	Not established
Upper /lower explosive limits:	0.6% - 7% by vol calculated
Vapour pressure:	Approx 0.05kPa at 20°C
Vapour density:	>1
Relative density:	0.8
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

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under proper storage and handling conditions.

10.3 Possibility of chemical reactions

No dangerous reactions known.

10.4 Conditions to avoid

Heat, flame and other ignition sources .

10.5 Incompatible materials

Avoid contact with strong oxidising agents

10.6 Hazardous decomposition 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	Minimally toxic
Acute tox-Inhal	LC50	>5000mg/l 4 Hr	Rat	OECD 403	Minimally toxic
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	Mildly irritating
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					Not expected to cause organ damage
STOT-repeated exposure				OECD 413	Not expected to cause organ damage from prolonged / repeated exposure

General

Vapours above recommended exposure limits are irritating to the eyes and respiratory tract .Prolonged /repeated contact will defat the skin resulting in possible irritation and dermatitis. Small amounts of aspirated liquid into the lungs may cause chemical pneumonitis or pulmonary oedema.

SECTION 12 ECOLOGICAL INFORMATION:

Mixture

- 12.1 Toxicity
- 12.2 Persistence and degradability
- 12.3 Bioaccumulative potential
- 12.4 Mobility in soil
- 12.4 results of PBT and vPvB assessment
- 12.6 Other adverse effects.

} No data available

Hydrocarbons,C11-C13 Isoalkanes <2% aromatics

12.1 Toxicity – Not expected to be harmful to aquatic organisms.

Test	Duration	Organism	Method	Result	Notes
Aquatic -acute	48 hrs	Invertebrate	ELO	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	NOELR	>= 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 – No data available.

12.4 Mobility in soil – Highly volatile, will rapidly partition to air. Not expected to partition to sediment and wastewater solids

12.5 Results of PBT and vPvB assessment – Contains no PBT or vPvB components

12.6 Other adverse effects – None determined.

SECTION 13 DISPOSAL CONSIDERATIONS:

13.1 Waste Treatment Methods

Dispose of in accordance with local authority guidelines.

SECTION 14. TRANSPORT INFORMATION:

14.1 UN number

14.2 UN proper shipping name Not regulated

14.3 Transport hazard class Not regulated

ADR Classification code -

14.4 Packing group None

14.5 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

A CSA has not been carried out for this mixture.

SECTION 16. OTHER INFORMATION:

Contains only FDA listed ingredients.

Legend

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 sect 3

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.