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SAFETY DATA SHEET
According to EC Regulations 1907/2006 & 1272/2008
NTL SDS 066-1.0
August 2016

FS CHAIN COAT

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

1.1 Product Name: FS Chain Coat
1.2 Identified uses: Lubricant, General machinery, Indirect food contact.
Use's advised against None known.
1.3 Details of supplier of SDS: New Tech Lubes Ltd, Unit 3 Harrison Drive Ind Est, Worksop Notts, S81 9RL
E Mail (competent person) info@newtechlubes.com
1.4 Emergency Telephone: +44 (0)1909 730900 (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:

Not classified under this regulation

2.2 Label elements: None required

Signal word(s): None required

Hazard statements: None required

Precautionary statements:

P264 Wash hands thoroughly after handling
P501 Dispose of contents/ container to an approved waste disposal plant

2.3 Other hazards

The mixture does not contain any vPvB or PBT substances.

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture:

HAZARDOUS INGREDIENTS	%W/W	CAS N_O EC N_O	REACH REG NO	HAZARD PICT/STATEMENTS
Hydrocarbons C11-C13 isoalkanes, <2% aromatics	>10	N/A (mixture)	N/A	Asp tox 1 H304 EUHO66

Company Registered in England and Wales Company Number: 04517277 VAT Number: 801 6050 79
Registered Address: New Tech Lubes Limited, Unit 3 Harrison Drive Business Park, Langold, Worksop, Notts S81 9RL

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 continues.

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. CO_2, dry chemicals as appropriate to surrounding fire.

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 ≥61^0C

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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. 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 lubrication 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 sections 6, 12, 13.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance/physical state:	
Colour:	Water White
Odour:	Faint
Odour threshold:	Not established
pH:	Not applicable
Melting /freezing point:	
IBP /boiling range:	150^{0}C
Flash Point	≥61^0 C
Evaporation rate:	Not established
Upper /lower explosive limits:	Not established
Vapour pressure:	Not established

Vapour density:	Not established
Relative density:	
Solubility:	Negligible water miscibility
Partition coefficient (n-octanol/water):	Not established
Auto-ignition temperature:	Not established
Decomposition temperature:	Not established
Viscosity:	> 20c/s @40^{0}C
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

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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
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.

Hydrocarbons, Isoalkanes <2% aromatics - based on analogous products

Toxicity / Effect	Endpoint	Value	Organism	Method	Notes
Acute Tox -Oral	LD50	>5000mg/kg	Rat	OECD 401	Minimally toxic
Acute tox-Inhal	LC50	>5000mg/l	Rat	OECD 403	Minimally toxic

		4 Hr			
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

Zinc Oxide

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. InS H1 registered

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

H304	May be fatal if swallowed or enters airways
EUHO66	Repeated exposure may cause skin dryness or cracking

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.