New Tech Lubes Limited

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830
NTL SDS 057-1.4
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FS DURA TECH

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

1.1	**Product name:**	FS Dura Tech
1.2	**Identified use(s):**	Lubricant, general machinery, direct food contact.
	Use(s) advised against:	None known.
1.3	**Details of supplier of SDS:**	New Tech Lubes Ltd, Unit 2-4 Harrison Drive Ind Est, Worksop Notts, S81 9RL
	E Mail (competent person):	info@newtechlubes.com
1.4	**Emergency telephone:**	+44 (0)1909 730900 (08.00 -16.00 GMT Monday to Friday)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture: Not classified.

2.2 Label elements: N/A

2.3 Other hazards: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance: Not applicable.

3.2 Mixture: There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:
General advice: Get medical attention if symptoms occur. If medical advice is needed, have product container or label at hand. Use personal protective equipment as required. Remove contaminated clothing and wash it before reuse. Wash skin surfaces thoroughly after contact.
Inhalation: Move affected person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
Skin contact: Brush off loose particles from skin. Wash with plenty of soap and water. Remove contaminated clothing and wash it before reuse.
Eye contact: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do.
Ingestion: Ingestion may cause gastrointestinal irritation and diarrhoea. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed: Not expected under normal use.

4.3 Indication of any immediate medical attention and special treatment needed: Treat symptomatically. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the

person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Use personal protective equipment as required.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:
Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire. Use dry chemical, CO_2, water spray (fog) or foam.
Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture: Hazardous thermal decomposition products. In a fire, hazardous decomposition products may be produced. Hydrogen fluoride (HF). Fluorophasgene fluorinated compounds carbon oxides (CO, CO_2) phosphorus oxides metal oxide/oxides

5.3 Advice for fire fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protective equipment (see section 8). Keep unnecessary personnel away. If specialised clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials.

6.2 Environmental precautions: Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Do not allow any potentially contaminated water, including rain water, runoff from firefighting or spills, to enter any waterway, sewer or drain.

6.3 Methods and material for containment and clearing: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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: Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not breathe dust. Do not ingest. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s): The identified uses for this product are detailed in Section 1.2.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters: No exposure limit value known.
Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Exposure controls:

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Engineering controls should be considered as the first line of protection against adverse exposure to harmful substances. Administrative controls and PPE should be used in the absence of engineering controls or as supplemental controls where engineering controls are insufficient in reducing specific exposures to an acceptable level.

Eye protection: If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.

Skin and body protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Wear suitable working clothes.

Hand protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. The following glove type may be suitable for handling this product. Protective gloves complying with EN374

Nitrile rubber	Glove thickness: ≥0.38mm	Break through time: ≥480 minutes
Butyl rubber	Glove thickness: ≥0.64mm	Break through time: ≥480 minutes

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Always ensure that gloves are free from defects and that they are stored and used correctly. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Respiratory protection: No personal respiratory protective equipment normally required. In case of inadequate ventilation wear respiratory protection. If heated and ventilation is inadequate, use respirator which will protect against organic vapor and dust/mist. Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification.

This information is based on the state in which the specific product is delivered and on the intended use specified within this SDS. This information is provided based on literature reference, manufacturer specifications and recommendations and/or derived by analogy with similar substances. The level of protection and types of exposure controls will vary depending on potential exposure conditions.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure regular inspection, cleaning and maintenance of equipment and machines.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Thermal hazards: Not expected under normal use. Not relevant/applicable due to nature of the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state: Solid
Appearance: Grease
Colour: White
Odour: Odourless
Odour threshold: No data available.
pH: No data available.
Relative evaporation rate (butylacetate=1): No data available.
Melting point: No data available.
Freezing point: No data available.
Boiling point: No data available.
Flash point: No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Flammability (solid, gas): No data available.
Vapour pressure: No data available.

Relative vapour density at 20°C: No data available.
Relative density: 1.9-2g/cm³
Solubility: Material insoluble in water.
Partition coefficient n-octanol/water (Log Pow): No data available.
Viscosity - kinematic: No data available.
Viscosity - dynamic: No data available.
Explosive properties: Not applicable.
Oxidising properties: Not applicable.
Explosive limits: No data available.

9.2 Other information: VOC content: 0%

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability: Stable under proper storage and handling conditions.

10.3 Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid: When exposed to high temperatures may produce hazardous decomposition products. Keep away from flames or sparks.

10.5 Incompatible materials: Strong acids. Strong alkalis. Incompatible with alkali metals. Metal powder.

10.6 Hazardous decomposition products: Hazardous decomposition may occur. Decomposition products may include the following materials: Hydrogen fluoride (HF). Fluorophasgene fluorinated compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity
Skin corrosion/irritation
Serious eye damage/irritation
Respiratory or skin sensitisation
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
STOT – single exposure
STOT – repeated exposure
Aspiration hazard
} Not classified

Information on the likely routes of exposure: No known significant effects or critical hazards.
Symptoms related to the physical, chemical and toxicological characteristics: Not expected under normal use.
Delayed and immediate effects and also chronic effects from short and long term exposure: None identified.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: No known significant effects or critical hazards.

12.2 Persistence and degradability: No additional information available.

12.3 Bio-accumulative potential: No additional information available.

12.4 Mobility in soil: No additional information available.

12.5 Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects: No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty containers or liners may retain some product residues. Empty containers retain product

residue and can be hazardous. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number: Not regulated for transport.

14.2 UN proper shipping name: Not applicable.

14.3 Transport hazard class(es): Not applicable.

14.4 Packing group: Not applicable.

14.5 Environmental hazards: Not applicable**.**

14.6 Special precautions for user: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments: Not applicable.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
UK (GB)/REACH:
Contains no substances with Annex XVII restrictions.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.
Ozone depleting substances: Not listed.
Prior Informed Consent (PIC): Not listed.
Persistent Organic Pollutants: Not listed.
Seveso Directive: This product is not controlled under the Seveso Directive.
International regulations:
Montreal Protocol: Not listed.
Stockholm convention on Persistent Organic Pollutants: Not listed.
Rotterdam Convention on Prior Informed Consent (PIC): Not listed.
UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed.

15.2 Chemical safety assessment: No chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION:

Classification methods used to derive classification of mixture: Classification according to calculation procedure detailed in EC 1272/2008

Legend:
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
LC50: Median lethal concentration
EC50: Median effective concentration
PNEC: Predicted No-Effect Concentration
DMEL: Derived Minimal Effect level
DNEL: Derived-No Effect Level
LD50: Median lethal dose
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS: Safety Data Sheet
PBT: Persistent Bio-accumulative Toxic
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
vPvB: Very Persistent and Very Bio-accumulative

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.