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FS EXTRA GREASE

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

- 1.1 Product name:** FS Extra Grease
1.2 Identified use(s): 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 (08.00 -16.00 GMT Monday to Friday)

SECTION 2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance/mixture:**
Classification (EC 1272/2008): Aquatic Chronic 3 – H412
- 2.2 Label elements:** N/A
Hazard statements: EUH208: Contains Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl-, and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4(or 5)-methyl-, and N,N-bis(2-ethylhexyl)-4(or 5)-methyl-1H-benzotriazole-1-methylamine.
May produce an allergic reaction.
H412: Harmful to aquatic life with long lasting effects.
Precautionary statements: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P273: Avoid release to the environment.
P501: Dispose of contents/container in accordance with national regulations.
- 2.3 Other hazards:** The mixture does not contain any vPvB or PBT substances.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Name	Identification No.	REACH No.	Classification	%
Dec-1-ene, homopolymer hydrogenated	CAS No. 68037-01-4 EC No: 500-183-1	-	Not classified	100
Homopolymer of butenes	CAS No: 9003-29-6 NLP No: 500-004-7	-	-	-

3.2 Mixtures:

Name	Identification No.	REACH No.	Classification	%
AMINES, C11-14-BRANCHED ALKYL, MONOHEXYL AND DIHEXYL PHOSPHATES	CAS No: 80939-62-4 EC No: 279-632-6		H315: Skin Irrit. 2 H319: Eye Irrit. 2 H411: Aquatic Chronic 2	5-10
BENZENAMINE, N-PHENYL-,	CAS No: 68411-46-1	01-2119491299-23-	H412: Aquatic	5-10

REACTION PRODUCTS WITH 2,4,4-TRIMETHYLPENTENE	EC No: 270-128-1	XXXX	Chronic 3	
Reaction mass of 1H-Benzotriazole-1-methanamine, N,Nbis(2-ethylhexyl)-6-methyl-, and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4(or 5)-methyl-, and N,N-bis(2-ethylhexyl)-4(or 5)-methyl-1H-benzotriazole-1-methylamine	CAS No: — EC No: 939-700-4 M factor (Acute) = 1	01-2119982395-25-XXXX	H315: Skin Irrit. 2 H317: Skin Sens. 1B H400: Aquatic Acute 1 H411: Aquatic Chronic 2	<1
PTFE	CAS No: 9002-844-0	-	Not classified	-
Fumes, silica	CAS No: 6901-64-2 EC No: 273-761-1	01-2119486866-17-XXXX	-	>99

The full text for all R-Phrases and Hazard Statements are displayed in Section 16.

The data shown are in accordance with the latest EC Directives.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information: Remove affected person from source of contamination. Show this Safety Data Sheet to the medical personnel.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues. Contact physician if larger quantity has been consumed.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

Protection of first aiders: First aid personnel should wear appropriate protective equipment during any rescue.

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

May cause an allergic skin reaction. May cause eye irritation. See section 11 for more detailed information on health effects and symptoms.

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

Treat symptomatically. MEDICAL CONDITIONS GENERALLY AGGREGATED BY EXPOSURE: May irritate people with skin problems, asthma and lung diseases. Susceptible individuals may have an allergic reaction. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media: High volume water jet.

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. The product itself does not burn. Fire or intense heat may cause violent rupture of packages.

5.3 Advice for fire fighters:

Wear self-contained breathing apparatus and protective suit (see section 8). Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. Caution: this product can cause the floor to be very slippery. Use water spray or fog for cooling exposed containers. Evacuate unnecessary personnel. Approach from upwind. Protect intervention team with a water spray as they approach the fire. High temperature decomposition products are harmful by inhalation. Keep product and empty containers away from heat and sources of ignition. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Chronic exposure may be fatal.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary and unprotected personnel away from the spillage. Provide adequate ventilation. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery. Keep ignition sources away – no smoking.

- 6.2 Environmental precautions:** Prevent from entering drainage systems or water courses. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained. Harmful to aquatic life with long lasting effects.
- 6.3 Methods and material for containment and clearing:** Stop leak if safe to do so. Contain and absorb spillage with sand, earth or other non-combustible material. Prevent entry into sewers, water courses, basements or confined areas. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. 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:** Avoid contact with skin and eyes. May cause skin sensitisation or allergic reactions in sensitive individuals. Keep container tightly closed. Provide adequate ventilation. Eye wash facilities and emergency shower must be available when handling this product. 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 and protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store in tightly-closed, original container in a dry, cool and well-ventilated place, away from incompatible materials and food and drink. Protect from sunlight. Store at temperatures above 5°C. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- 7.3 Specific end use(s):** For general lubrication for equipment and machinery

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Workplace exposure limits: N/A
Biological limit value: Not established
PNECs, DNELs: Not established

8.2 Exposure controls:

Appropriate engineering controls: Ensure good ventilation /local exhaust ventilation to keep airborne contaminants below exposure limits.

Personal protective equipment:



Eye/face protection: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection: Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. When used with mixtures, the protection time of gloves cannot be accurately estimated. It is recommended that gloves are made of the following material: Nitrile rubber. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. The breakthrough time for any glove material may be different for different glove manufacturers. Frequent changes are recommended.

Other skin and body protection: Wear suitable protective clothing as protection against splashing or contamination. (EN 13034 TYPE 6)

Hygiene measures: Wash promptly with soap and water if skin becomes contaminated. Remove contaminated clothing and protective equipment before entering eating areas. Do not eat, drink or smoke when using this product.

Respiratory protection: Respiratory protection may be required if excessive airborne contamination occurs. Gas filter, type A2. Gas and combination filter cartridges should comply with European Standard EN14387.

Environmental exposure controls: Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. See sections 6, 12 and 13.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state: Gel
Colour: Translucent
Odour: Faint
Melting point/freezing point: No information available
Boiling point: No information available
Flammability: No information available
Lower and upper explosion limit: No information available
Flash point: >250°C
Auto-ignition temperature: >200°C
Decomposition temperature: No information available
pH: No information available
Kinematic viscosity: No information available
Solubility: No information available
Partition coefficient n-octanol/water (log value): No information available
Vapour pressure: No information available
Density and/or relative density: 0.98 (measured as kg/litre)
Relative vapour density: No information available
Particle characteristics: Not applicable

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, strong acids and strong alkalis.
- 10.6 Hazardous decomposition products:** Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Nitrogen. Phosphorus. Sulphur.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Toxicological effects: No data recorded.

Skin corrosion/irritation: Based on available data the classification criteria are not met.

Serious eye damage/irritation: Based on available data the classification criteria are not met.

Respiratory sensitisation: Based on available data the classification criteria are not met.

Skin sensitisation: The product contains a small amount of sensitising substance.

Germ cell mutagenicity: Does not contain any substances known to be mutagenic.

Carcinogenicity: Does not contain any substances known to be carcinogenic.

Reproductive toxicity: Does not contain any substances known to be toxic to reproduction.

STOT – single exposure: Not classified as a specific target organ toxicant after a single exposure.

STOT – repeated exposure: Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard: Aspiration is possible.

Skin contact: May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact: May cause eye irritation.

Potential adverse human health effects and symptoms: MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May irritate people with skin problems, asthma and lung diseases. Susceptible individuals may have an allergic reaction.

Other information: The product is biologically inert. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Some eye irritation is also possible following exposure to the dust. This product may contain trace level of residual tetrafluoroethylene (TFE) monomer that can be released during processing. Exposures to TFE can occur in handling newly opened drums and in situations where processing temperatures exceed manufacturer's recommendations. Avoid breathing fumes and gases produced in processing or burning of fluoropolymer containing parts. To minimize exposures to trace levels of TFE, follow the handling instructions in Section 8 of the SDS.

SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity:** No data available.

- 12.2 Persistence and degradability:** Only slightly biodegradable.
- 12.3 Bio-accumulative potential:** Product is not expected to bio-accumulate.
- 12.4 Mobility in soil:** Not expected to absorb in soil.
- 12.5 Results of PBT and vPvB assessment:** The product does not meet the PBT and vPvB classification criteria.
- 12.6 Other adverse effects:** No additional information available.

SECTION 13 DISPOSAL CONSIDERATIONS:

- 13.1 Waste treatment methods:** When handling waste, the safety precautions applying to handling of the product should be considered. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations.

SECTION 14. TRANSPORT INFORMATION

- 14.1 UN number:** Not classified
- 14.2 UN proper shipping name:** Not classified
- 14.3 Transport hazard class:** Not classified
- 14.4 Packing group:** None
- 14.5 Environmental hazards:** Not applicable
- 14.6 Special precautions for user:** Not applicable
- 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable

SECTION 15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**
National regulations: Control of Substances Hazardous to Health Regulations 2002 (as amended). Health and Safety at Work etc. Act 1974 (as amended).
EU Legislation: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- 15.2 Chemical safety assessment:** No chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

Other information: This safety data sheet has been prepared according to Regulation (EC) no. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830

Contains only FDA listed ingredients. NSF H1 registered

Hazard statements in full:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl-, and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4(or 5)-methyl-, and N,N-bis(2-ethylhexyl)-4(or 5)-methyl-1H-benzotriazole-1-methylamine. May produce an allergic reaction.

Legend:

CAS: Chemical Abstracts Service.

LC₅₀: Lethal Concentration to 50 % of a test population.

LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).

PBT: Persistent, Bio-accumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

vPvB: Very Persistent and Very Bio-accumulative.

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

BCF: Bioconcentration Factor.

EC₅₀: 50% of maximal Effective Concentration.

UN: United Nations.

IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).

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

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.