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## TITAN M GREASE

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

- 1.1 Product name:** Titan M  
**1.2 Identified use(s):** Lubricant, general machinery  
**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](mailto: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):  
Physical hazards: Not classified  
Health hazards: Not classified  
Environmental hazards: Not classified  
Classification (67/548/EEC): Not classified
- 2.2 Label elements:** Not classified
- 2.3 Other hazards:** The mixture does not contain any vPvB or PBT substances. The product is not expected to be hazardous to the environment.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 Substance:** N/A  
**3.2 Mixture:** Hazardous ingredients: None  
**3.3 Additional information:** N/A

### SECTION 4. FIRST AID MEASURES

- 4.1 Description of first aid measures:**  
Inhalation: Unlikely due to low volatility of product. If inhaled move to fresh air and seek medical advice.  
Ingestion: Wash mouth with water. Do not induce vomiting, seek medical advice.  
Skin contact: Wash with soap and water.  
Eye contact: Wash out all residual material with water. Bathe eye with running water for several minutes. If irritation continues seek medical advice.
- 4.2 Most important symptoms and effects, both acute and delayed:** N/A
- 4.3 Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

### SECTION 5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media:**  
Suitable extinguishing media: Extinguish with dry powder, foam, sand or earth.  
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

**5.2 Special hazards arising from the substance or mixture:** N/A

**5.3 Advice for firefighters:** Wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:** No specific recommendations. May cause slippery conditions underfoot. For personal protection, see section 8.

**6.2 Environmental precautions:** Prevent from entering drainage systems or water courses.

**6.3 Methods and material for containment and clearing:** Apply suitable absorption media, scrape up in bulk then wipe remainder with cloth.

**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:** Wear suitable gloves, do not smoke. Care should be taken with dispensing equipment not to inject product under skin.

**7.2 Conditions for safe storage, including any incompatibilities:** Do not store at elevated temperatures.

**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:

Occupational exposure limits:

Name	TWA 8 hours	STEL 15 mins	Notes
HTS2M	OES 5 mg/m <sup>3</sup> (oil mist)	OES 10 mg/m <sup>3</sup> (oil mist)	-

### 8.2 Exposure controls:

Personal protective equipment:



Appropriate engineering controls: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

Eye/face protection: Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield. Manufactured/Tested in accordance with EN 166.

Hand protection: Protective gloves must be used if there is a risk of direct contact or splash. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Manufactured/tested in accordance with EN 374.

Hygiene measures: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Eating, smoking and water fountains prohibited in immediate work area.

Respiratory protection: If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

Environmental exposure controls: Not regarded as dangerous for the environment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Appearance: Grease

Colour: Grey/black

Odour: Slight

Melting point: No information available

Initial boiling point and range: No information available

Flammability (solid, gas): Not flammable at ambient temperature

Upper/lower flammability or explosive limits: No information available

Flash point: >300°C

Auto-ignition temperature: No information available

Decomposition temperature: No information available

pH: Not applicable.

Viscosity: No information available  
Solubility(ies): Insoluble in water  
Partition coefficient: No information available  
Vapour pressure: No information available  
Relative density: No information available  
Vapour density: No information available  
Particle characteristics: No information available

## 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 hazardous reactions:** Under normal conditions of storage and use, no hazardous reactions will occur.
- 10.4 Conditions to avoid:** Powerful sources of ignition and extremes of temperature.
- 10.5 Incompatible materials:** Avoid contact with strong oxidising agents.
- 10.6 Hazardous decomposition products:** Oxides of carbon, possible smoke and soot. Possible traces of sulphurous compounds.

## SECTION 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects:**  
Acute toxicity: Not considered toxic under normal handling.  
Skin corrosion/irritation: Possible on very mild skin types. Long-term exposure may cause dermatitis and de-fatting of the skin.  
Serious eye damage/irritation: No additional information available  
Respiratory sensitisation: No additional information available  
Skin sensitisation: No additional information available  
Genotoxicity – in vitro: Not applicable  
Carcinogenicity: No additional information available  
Reproductive toxicity: No additional information available  
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: No additional information available

## SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity:** Possible marine pollutant (slight) if released in large quantities.
- 12.2 Persistence and degradability:** No additional information available.
- 12.3 Bio-accumulative potential:** No additional information available.
- 12.4 Mobility in soil:** Insoluble in water, poorly absorbed into soils.
- 12.5 Results of PBT and vPvB assessment:** This substance is not classified as PBT or vPvB according to current UK criteria.
- 12.6 Other adverse effects:** No additional information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods:** Incineration or landfill, dispose of in accordance with local regulations.

## SECTION 14. TRANSPORT INFORMATION

- 14.1 UN number:** Not applicable.
- 14.2 UN proper shipping name:** Not applicable.
- 14.3 Transport hazard class:** No transport warning sign required.
- 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:

UK Regulatory References:

Chemicals (Hazard Information & Packaging) Regulations.

Guidance Notes: Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 CLP. Regulation (EC) No 1907/2006 REACH.

Water hazard classification: WGK 1

### 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 EC1272/2008

### 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.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

ATE: Acute Toxicity Estimate.

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

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

EC<sub>50</sub>: 50% of maximal Effective Concentration.

PBT: Persistent, Bio-accumulative and Toxic substance.

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.