

MATERIAL SAFETY DATA SHEET

Updated 09/04/2015

MICRO μ ZX1 GREASE

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

- 1.1 Product name:** MICRO μ ZX1 GREASE
1.2 Use: Lubrication
1.3 Address: TEAM ZX1 LTD.
Unit 8, Millbrook business Park
Crowborough
East Sussex TN6 3JZ
1.4 Contact person: S.G. Munt
01892 669828 – info@team-zx1.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Chemical nature: Mineral or Vegetable Oils thickened with stearates or modified clays blended with modified Hydrocarbons and EP Additives

3. HAZARDS IDENTIFICATION

This product is not classified as hazardous under current UK Health/Safety/Environmental Legislation. When used in the application for which is intended

Adverse health effects Repeated contact with the skin may cause irritation
Other hazards The product can burn when strongly heated. Hazardous decomposition products may be formed.

Classification: R52/53 – R67
According to our data the product is not dangerous with respect to the German chemical law and the meaning of directiv.67/548/EEC

Hazardous components: -

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. ; EC-No. : 265-199-0; CAS-No. : 64742-95-6

Percentage : 10 - 20 %

Classification : R 10 N ; R 51/53 Xn ; R 65 Xi ; R 37 R 67 R 66

For the wording of the listed risk phrases refer to section 16

4. FIRST AID MEASURES

Skin: Wash with soap and water. Seek medical attention if symptoms persist.

Eye: Flush with water for at least 10 minutes. Seek medical attention if symptoms persist.

Inhalation: Not applicable in normal use.

Ingestion: Seek medical attention. **DO NOT INDUCE VOMITING**

Pressure injection: ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN
THOUGH THE INJURY MAY APPEAR MINOR.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Carbon dioxide, Foam, or water spray. Prevent water used in spray from Entering Watercourses

5.2 Unsuitable extinguishing media: Direct water jet.

5.4 Protective equipment: In the event of a large fire breathing apparatus and protective clothing.

WARNING: Heat from a fire could possibly result in drums bursting.

6. ACCIDENTAL RELEASE MEASURES

Contain and collect spillage. Failure to contain the release should be notified immediately to the Local Waste Authority. A spillage must be retrieved, if necessary with the help of absorbent material such as Floor granules. Burn under controlled conditions or dispose of at an appropriate waste disposal facility In accordance with current applicable laws and regulations.

7. HANDLING AND STORAGE

7.1 Handling precautions: This product is normally handled cold, precautions should be taken against skin contact

7.2 Storage: Store away from sources of strong heat and strong oxidising chemicals. Temperature range 0°C to 40°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

O.E.S. 5 mg/m³ (8 hr T.W.A. value), mineral oil

Personal protective equipment

Eye protection: Wear protective safety spectacles when handling heated product

Hand protection: Wear PVC gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance at 20°C

Odour

PH

Desity at 15°C

Viscosity at 100°C

Flashpoint (ASTM D93)

Auto-ignition temperature (ASTM E659)

Explosion limits

Vapour pressure 15°C

Solubility

Grease

Bland

Neutral

1.01 g/cm³

Not applicable

> than 250°C (NEAT ZX1 MICRO OIL > 61°C)

> than 400°C

not established

< 1 mbar

Insoluble in water

10. STABILITY AND REACTIVITY

Hazardous reactions None Known
Thermal decomposition Slow decomposition above 250°C

Hazardous decomposition products which can be formed on heating: Carbon Monoxide, Carbon Dioxide oxides of Nitrogen and Sulphur.

Keep away from strong alkaline and acid materials

11. TOXICOLOGICAL INFORMATION

LD50 (rats) greater > 5000 mg/kg: by analogy to findings on products with similar composition.

This preparation is not classified as dangerous under EEC Directive 88/379/EEC

12. ECOLOGICAL INFORMATION

On the basis of operating experience it is considered unlikely to penetrate deeply into the soil, which, together with low solubility in water, makes contamination of the sub-soil unlikely.

Mineral oils are inherently but not readily biodegradable. Fresh or used mineral oils maybe harmful to Aquatic life.

13. DISPOSAL CONSIDERATIONS

Seek advice from Local waste Authority before disposing of product.

14. TRANSPORT INFORMATION

Not classified as hazardous for Transport

UN. Number	N/A	Packaging group:	N/A
Shipping name:	N/A		
IMO class:	N/A	Marine pollutant:	No
ADR /RID	N/A	ICAO / IATA	N/A

15. REGULATORY INFORMATION

This product is not classified as dangerous for supply in the UK.

Statutory Instruments	The Health & Safety at Work Act 1974. Consumer Protection act 1987. Environmental Protection act 1990. COSHH Regulations 1988 CHIP Regulations 1993.
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16. OTHER INFORMATION

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