



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT INFORMATION & SUPPLIER

Product Name: **KAT MP3 GREASE**

Product Literature: A multi-purpose Lithium grease containing corrosion and oxidation inhibitors and anti-wear additives. This grease is for use in the temperature range –30o C to 150oC, and is suitable for the lubrication of heavily loaded plain and rolling-element bearings, including those subjected to shock loading. An ideal grease for use in many industrial and automotive applications.

Supplier: **Kistenmacher Auto + Technik GmbH & Co. KG**
Lindenstraße 2-10 , D-21244 Buchholz, Germany

Emergency Contact: **+ 49 (0) 4181-99054 0**

SECTION 2 - TECHNICAL DATA

CHARACTERISTIC	SPECIFICATION
Colour	Blue
Texture	Smooth / Tacky
Soap type	Lithium 3
Penetration (IP 50)	220-250
NLGI Classification	3
Drop point (IP 32)	180 oC
Oxidation Stability after 500 hours(IP 42)	10 psi Max
Operating temperature range-typical	-30 to +150 deg.
Base oil Viscosity at 40 deg. C	C 90-100 cSt Min.
Flash Point	> 220 deg. C.

SECTION 3 – PRODUCT HAZARD INFORMATION

Lubricating Greases:

Products based upon refined liquid mineral oil of various viscosities derived from high boiling point fractions of petroleum, and which may contain additives such as:- anti-oxidant, foam suppressant of the wax or silicone types.

SECTION 4 - HEALTH & SAFETY GUIDE

Ingestion:

Neat highly refined lubricating oils exhibit only slight acute toxicity if swallowed. The additives incorporated into the formulated products are not thought to affect this toxicity appreciably.

Emergency Treatment: No special treatment is required. Vomiting should not be induced because of the risk of aspiration.

Aspiration:

The aspiration hazard associated with lubricating oils is very dependent upon viscosity which determines both the likelihood of entry into the respiratory system and the extent of subsequent penetration. Aspiration of oils with viscosities below 7mm²/s at 40oC. is highly hazardous and may give rise to rapidly developing severe pneumonitis whereas the probability of aspiration of oils with viscosities greater than 15mm²/s at 40oC. is slight and the risk to health is less. The viscosities of individual products may be obtained from the relevant product Data sheets.

Emergency Treatment: If there is any suspicion of aspiration into the lungs (for example during vomiting), admit to hospital immediately, requesting an ambulance with oxygen facilities.

Inhalation:

The low volatility of these products does not give rise to harmful concentrations of vapour except with open systems at elevated temperatures. However precautions should be taken to avoid build up of oil mist from rotating machinery for example, in the working environment; the threshold limit value for mineral oil mist is 5mg/m³.

Emergency Treatment: Move to fresh air, loosen clothing, keep patient warm and at rest.

Skin And Eye Contact:

Skin contact may give rise to dermatitis. Prolonged contact may cause keratosis which may undergo malignant change. A high standard of personal hygiene minimises these risks. These products may cause irritation if splashed in the eye.

Emergency Treatment: Irrigate the eye with copious quantities of water for at least ten minutes.

SECTION 5 – FIRE FIGHTING MEASURE

Suitable Extinguishing Media:

Use foam or all purpose dry chemical to extinguish. Do not use water jet. Special fire fighting procedures are not identified. Hazard from Combustion -These products are Carbon Oxide, Phosphates. Some metallic oxides

SECTION 6 – HANDLING & STORAGE

Handling & Storage:

Avoid contact of spilled material and runoff with soil and surface waterways. Keep out of reach of children. Keep container tightly closed. Keep container preferably in cool place.

SECTION 7 – ACCIDENTAL RELEASE MEASURE

Emergency Procedure:

Immediately contact emergency personal. Keep unnecessary personal away. Use suitable protective equipment. Follow fire fighting measures.

Containment & Clean up:

For small spills, soil may be used in absence of other suitable material, scoop up material and place in a sealed liquid proof container for disposal. For large spills contain material to ensure runoff does not reach a waterway. See Sec-12 for waste disposal information.

SECTION 8 – ENGINEERING CONTROLS & PERSONAL PROTECTION

Engineering Controls:

For normal application, special ventilation is not necessary. If user's operations generate vapours or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Make-up air should always be supplied to balance air removed by exhaust ventilation. Ensure that eyewash station and safety shower are close to work-station.

Personal Protection:

The selection of personal protective equipment varies, depending upon conditions of use.

SECTION 9 – STABILITY & REACTIVITY**Stability & Reactivity:**

The product is stable. Avoid extreme temperatures, strong oxidizers, fire. Reactive with oxidizing agents, acids & alkalis. Hazardous polymerization will not occur.

SECTION 10 - TOXICOLOGICAL INFORMATION**Routes of Entry:**

Skin contact, eye contact, inhalation and ingestion

Acute Lethality:

Acute toxicity information is not available for the product as a whole, therefore, data for the base oils are provided below

Acute Oral toxicity (LD50): >5000 mg/kg (rat)

Acute Dermal toxicity (LD50): >2000 mg/kg (rabbit)

SECTION 11 – OTHER TOXICOLOGICAL INFORMATION**Chronic or Other Toxic Effects:****Dermal Route:**

Prolonged or repeated contact may defat and dry skin, and cause dermatitis. Short-term exposure is expected to cause only slight irritation, if any.

Inhalation Route:

With its relatively low vapour pressure, this product is not expected to be inhaled in any appreciable quantity at ambient conditions. If heated to high temperatures or subjected to mechanical actions which produce vapours or mists, inhalation may cause respiratory tract irritation.

Oral Route:

Ingestion of this product may lead to aspiration of the liquid, especially if vomiting occurs. This may result in chemical pneumonitis (inflammation of the lungs) and/or pulmonary edema (an accumulation of fluid in the lungs). May produce a laxative effect.

Eye Irritation/Inflammation:

Short-term exposure is expected to cause only slight irritation, if any.

Immunotoxicity: Not available

Skin Sensitization:

Contact with this product is not expected to cause skin sensitization, based upon the available data and the known hazards of the components.

Respiratory Tract Sensitization:

Contact with this product is not expected to cause respiratory tract sensitization, based upon the Available data and the known hazards of the components.

Mutagenic & Reproductive Toxicity:

This product is not expected to be a mutagen. This product is not expected to be a reproductive toxin.

SECTION 12 – ECOLOGICAL INFORMATION

Ecological Information:

Harmful to aquatic organisms, may cause long-term aquatic environment. The biodegradability of this material has not been determined. Spillages may penetrate the soil causing ground water contamination. This product is not expected to bioaccumulate through food chains in the environment.

SECTION 13 – DISPOSAL CONSIDERATION

Disposal Consideration:

Avoid contact of spilled material and runoff with soil and surface waterways. Consult on environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. No additional special precautions identified.

SECTION 14 – TRANSPORT INFORMATION Transport

Information:

Not classified as dangerous for transportation. No known special precautions required.

SECTION 15 – REGULATORY INFORMATION

Regulatory Information:

Standard for the Uniform scheduling for Drugs & Poisons Ingredient name – No listed Substance. Control of Scheduled carcinogenic Substances Ingredient Name – No listed substance.

SECTION 16 – OTHER INFORMATION

Other Information:

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information covers required information.. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

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