

1. Identification		
Product name		GEARMASTER MS 220+
Other means of identification		No data available.
Recommended use:		Lubricating fluid
Restrictions on use:		Industrial use only
Manufacturer/Importer/Supp	lier/Distributor Informatio	n
Manufacturer Company Name: Address: Telephone: Fax: Contact Person: E-mail:	Fuchs Lubricants Co. 17050 Lathrop Avenue Harvey, Illinois 60426 708-333-8900 708-333-9180 EHS Department msds@fuchs.com	
Emergency telephone number	er: 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)
2. Hazard(s) identification		
Hazard Classification	Not classified as haza	ardous under 29CFR 1910.1200 (HazCom 2012)
Label Elements		
Hazard Symbol:	No symbol	
Signal Word:	No signal word.	
Hazard Statement:	Not applicable	
Precautionary Statement	Not applicable	
Other hazards which do not result in GHS classification:	None.	
3. Composition/information	on ingredients	



Hazardous Component(s):

Chemical name	CAS-No.	Concentration
Mineral oil	Confidential	>=60 - <=100%
Specific chemical identities and/or exact percentages have been withheld as trade secrets		

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

4. First-aid measures		
Ingestion:	Rinse mouth thoroughly. Call a Poison Center or doctor if you feel unwell. Do NOT induce vomiting.	
Inhalation:	Move to fresh air. Call a Poison Center or doctor if you feel unwell.	
Skin Contact:	Remove contaminated/saturated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention.	
Eye contact:	Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.	
Most important symptoms/effects, acute and delayed		
Symptoms:	No data available.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Get medical attention as appropriate or if symptoms persist.	
5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media:	No data available.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	Heat may cause the containers to pressurize and possibly rupture. During fire, gases hazardous to health may be formed.	
Special protective equipment an	d precautions for firefighters	
Special fire fighting procedures:	No data available.	



Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment appropriate for industrial fires.	
6. Accidental release measures	S	
Personal precautions, protective equipment and emergency procedures:	See Section 8 of the SDS for Personal Protective Equipment. Do not handle damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ensure adequate ventilation.	
Methods and material for containment and cleaning up:	Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.	
Environmental Precautions:	Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so and protect against releases into the environment. Remediate as appropriate.	
7. Handling and storage		
Precautions for safe handling:	Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container.	
Conditions for safe storage, including any incompatibilities:	Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.	

8. Exposure controls/personal protection

Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Mineral oil - Mist.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Mineral oil - Mist.	STEL	10 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Protective Measures:	Use personal protective equipment as required.		
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.		
Eye Protection:	Wear safety glasses with side shields (or goggles).		
Skin and Body Protection:	Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.		
Hygiene measures: MSDS_US - R00000451237	Always ob	serve good personal hygiene me	asures, such as washing after 3/8



handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. Discard contaminated footwear that cannot be cleaned. Avoid contact with skin, eyes, and clothing.

9. Physical and chemical properties

Physical state:LiquidForm:No data available.Color:BlackOdorMild petroleumOdor threshold:No data available.pH:No data available.Melting point/freezing point:No data available.Initial boiling point and boiling range:No data available.Initial boiling point and boiling range:No data available.Flash Point:218.33 °C (424.99 °F)Evaporation rate:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsNo data available.Flammability limit - upper (%):No data available.Explosive limit - lower (%):No data available.Explosive limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.Viscosity:> 22 mm2/s (40 °C)	Appearance	
Color:BlackOdor:Mild petroleumOdor threshold:No data available.pH:No data available.Melting point/freezing point:No data available.Initial boiling point and boiling range:No data available.Flash Point:218.33 °C (424.99 °F)Evaporation rate:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsNo data available.Flammability limit - upper (%):No data available.Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Solubility(ies)No data available.Solubility in water:InsolubleSolubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Physical state:	Liquid
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Solubility in water:InsolubleSolubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Relative density:	0.91
Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Solubility(ies)	
Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Solubility in water:	Insoluble
Auto-ignition temperature:No data available.Decomposition temperature:No data available.		No data available.
Decomposition temperature: No data available.	Partition coefficient (n-octanol/water):	No data available.
	•	No data available.
Viscosity: > 22 mm2/s (40 °C)		
	Viscosity:	> 22 mm2/s (40 °C)

10. Stability and reactivity

Reactivity:

Not reactive during normal use.

Chemical Stability:

No data available.



SAFETY DATA SHEET

Possibility of Hazardous Reactions:	None under normal conditions.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	formaldehyde

11. Toxicological information

Information on likely routes of ex Ingestion:	
ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.
Inhalation:	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Prolonged skin contact may cause redness and irritation.
Eye contact:	Eye contact is possible and should be avoided.
Symptoms related to the physica Ingestion:	I, chemical and toxicological characteristics No data available.
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Information on toxicological effect	cts
Acute toxicity (list all possible	routes of exposure)
Oral Product:	ATEmix (): 2000 - 5000 mg/kg
Dermal Product:	ATEmix (): 2000 - 5000 mg/kg
Inhalation Product:	ATEmix (, 4 h): > 5 mg/l Dusts, mists and fumes
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
MSDS_US - R00000451237	



Serious Eye Damage/Eye	Irritation
Product:	No data available.

Respiratory or Skin Sensitization Product: No data recorded.

Carcinogenicity Product:

No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	- Single Exposure No data available.
Specific Target Organ Toxicity - Repeated Exposure Product:No data available.	
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological informat	tion
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General information:	This product has not been evaluated for ecological toxicity or other environmental effects.
13. Disposal considerations	



Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

This material is not subject to transport regulations.

15. Regulatory information

US Federal Regulations

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not listed.

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

16.Other information, including date of preparation or last revision

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Issue Date:	26.05.2015
Revision Date:	26.05.2015
Version #:	1.0
Further Information:	No data available.
Disclaimer:	This information is provided without warranty . The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

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