

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
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DIVISION: AUTOMOTIVE AFTERMARKET
 TRADE NAME:

3M(TM) Brake Lube/Anti-Seize Compound, P.N. 08945
 ID NUMBER/U.P.C.:
 60-9800-1747-3 00-51135-08945-3
 ISSUED: October 25, 2000
 SUPERSEDES: October 06, 2000
 DOCUMENT: 11-6646-1

1. INGREDIENT	C.A.S. NO.	PERCENT
COPPER.....	7440-50-8	40.0 - 50.0
HYDROTREATED RESIDUAL OIL (PETROLEUM)...	64742-57-0	30.0 - 45.0
GRAPHITE.....	7782-42-5	5.0 - 15.0
BENTONITE.....	1302-78-9	5.0 - 15.0
POLYISOBUTYLENE.....	9003-27-4	1.0 - 10.0
ZINC OXIDE.....	1314-13-2	1.0 - 5.0

The components of this product are in compliance with the chemical
 notification requirements of TSCA.

This product contains the following toxic chemical or chemicals subject to
 the reporting requirements of Section 313 of Title III of the Emergency
 Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:

COPPER
 ZINC OXIDE

2. PHYSICAL DATA
BOILING POINT:..... < 600.00 F
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... > 10.00 Air=1
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER:..... neglig.
SPECIFIC GRAVITY:..... 1.410 Water=1
PERCENT VOLATILE:..... < 1.00 %
pH:..... N/D
VISCOSITY:..... N/D

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

5. ENVIRONMENTAL INFORMATION (continued)

MSDS. Place in a closed container.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility in the presence of a combustibile material.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/D.

VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

Not applicable.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

 7. PRECAUTIONARY INFORMATION (continued)

RECOMMENDED VENTILATION:
 Not applicable.

RESPIRATORY PROTECTION:
 Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:
 Wash hands after handling and before eating.

RECOMMENDED STORAGE:
 Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:
 Not applicable.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
COPPER.....	1	MG/M3	TWA	ACGIH	
		as Cu dust			
COPPER.....	0.2	MG/M3	TWA	ACGIH	
		as fume			
COPPER.....	0.1	MG/M3	TWA	OSHA	
		as fume			
COPPER.....	1	MG/M3	TWA	OSHA	
		as Cu dust			
HYDROTREATED RESIDUAL OIL (PETROLEUM).....	NONE	NONE	NONE	NONE	
GRAPHITE.....	2.5	MG/M3	TWA	ACGIH	
		as respirable dust			
GRAPHITE.....	2.5	MG/M3	TWA	OSHA	
BENTONITE.....	NONE	NONE	NONE	NONE	
POLYISOBUTYLENE.....	NONE	NONE	NONE	NONE	
ZINC OXIDE.....	10	MG/M3	TWA	ACGIH	
		AS DUST			
ZINC OXIDE.....	10	MG/M3	TWA	OSHAV	
		AS DUST			
		OSHA VACATED PEL: TOTAL DUST			
ZINC OXIDE.....	5	MG/M3	TWA	ACGIH	
		as fume			
ZINC OXIDE.....	10	MG/M3	STEL	ACGIH	
		as fume			
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	
		as fume			
ZINC OXIDE.....	10	MG/M3	STEL	OSHAV	
		as fume			
		OSHA VACATED PEL			
ZINC OXIDE.....	15	MG/M3	TWA	OSHA	

 Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
					AS DUST
					TOTAL DUST
ZINC OXIDE.....	5	MG/M3	TWA	OSHA	
					AS DUST
					RESPIRABLE FRACTION

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL. Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE October 06, 2000 ISSUE

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