



MATERIAL SAFETY DATA SHEET

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Emergency telephone number
CHEMTREC: 1-800-424-9300
CHEMTREC (outside U.S.): 1-703-527-3887
Phone Number: 1-724-223-5900

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: LMM-6904-Black **Date of Preparation:** 11/04/2011
CAS-No.: Mixture
Product Code: 1382618

2. HAZARDS IDENTIFICATION

Emergency Overview

Caution

May cause respiratory tract, eye and skin irritation.

		HMIS	NFPA 704
Color:	Black	1	1
Physical state:	Paste	0	0
Odor:	Odorless	0	0
		B	

Potential Health Effects

Principle routes of exposure: Inhalation, ingestion, skin and eye contact.

Eye contact: Contact with eyes may cause irritation.

Skin contact: Prolonged skin contact may cause skin irritation.

Inhalation: Over-exposure by inhalation may cause respiratory irritation.

Ingestion: May irritate digestive tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %
Alkali phosphate	Proprietary	5 - 10%
Alkali carbonate	Proprietary	5 - 10%

The specific chemical identities are being withheld as a trade secret (29CFR1910.1200).

4. FIRST AID MEASURES

Eye contact: Rinse immediately with plenty of water, also under the eyelids. Get medical attention if irritation develops.

Skin contact: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist call a physician.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion: Drink plenty of water. Do not induce vomiting. Consult a physician if necessary.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point (°C): Non combustible

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Wear personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly. Dispose of promptly.

7. HANDLING AND STORAGE

Handling:
Do not take internally. Wash thoroughly after handling.

Storage:
Keep in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits
No TLV assigned. Minimize exposure in accordance with good hygiene practice.

Engineering measures: Provide appropriate exhaust ventilation at machinery and at places where dust or fumes can be generated.

Eye protection: Safety glasses with side-shields

Skin and body protection: Lightweight protective clothing.

Hand protection: Impervious gloves.

Respiratory protection: NIOSH-approved respirators should be worn where engineering controls and work practices do not reduce exposure to or below the PEL. Seek professional advice prior to respirator selection and use. In case of insufficient ventilation wear suitable respiratory equipment .

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Black	Physical state:	Paste
Odor:	Odorless	Molecular weight:	No data available
Boiling point/range (°C):	No data available	pH:	9
Melting point/range (°C):	No data available	Specific gravity (Water =1):	No data available
Bulk density:	1.5 g/cm ³	Vapor pressure :	No data available
Water solubility:	No information available	VOC content (%)	No data available

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Polymerization None under normal processing.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors

Materials to avoid: None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Information given is based on data on the components and the toxicology of similar products

Component information, if any, is listed below

12. ECOLOGICAL INFORMATION

Aquatic toxicity: No data is available on the product itself. Information given is based on data on the components and the ecotoxicology of similar products.

Persistence and degradability: Not determined

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Where possible recycling is preferred to disposal or incineration.

14. TRANSPORT INFORMATION

DOT (U.S.)

Proper shipping name: Not regulated.

TDG (Canada)

Proper shipping name: Not regulated.

15. REGULATORY INFORMATION

U.S. Regulations:

TSCA: Not subject to TSCA 12(b) Export Notification

SARA 313: Not subject to the provisions of SARA 313 Title III

State Regulations

This product or its ingredients have been evaluated for New Jersey, Pennsylvania, and California Prop 65 supplier notification requirements. Substances that are subject to notification requirements, if any, are listed below.

Canadian WHMIS

WHMIS hazard class: Non-controlled

International Inventories

TSCA 8(b):	Listed or exempt.
Canadian DSL/NDSL list	One or more ingredient(s) are not listed on the DSL or NDSL list.
EC-No.	Listed or exempt.
Philippines (PICCS):	One or more ingredient(s) are not on the PICCS list.
Japan (ENCS):	One or more ingredient(s) are not on the ENCS list.
Korea (KECL):	One or more ingredient(s) are not on the KECL list.
China (IECS):	One or more ingredient(s) are not on the IECS list.
Australia (AICS):	One or more ingredient(s) are not on the AICS list.

New Zealand (NZIoC):

One or more ingredient(s) are not on the NZIoC list.

16. OTHER INFORMATION

For Industrial Use Only

Prepared by: Ferro Technical Center

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

End of Safety Data Sheet