NORAC®

NORAC, INC.
Azusa, CA

MATERIAL SAFETY DATA SHEET

MATHE® MAGNESIUM STEARATE FOOD GRADE/NF/KOSHER

SECTION 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY

PRODUCT NAME	**MATHE® Magnesium Stearate Food Grade/NF/Kosher**	**TELEPHONE**	626-334-2908
MANUFACTURER	Norac, Inc.	**CHEMTREC (24hr) (USA)**	800-424-9300
ADDRESS	405 S. Motor Ave., Azusa, CA 91702	**(Maritime/International)**	703-527-3887
CHEMICAL NAME	Magnesium Salt of Stearic Acid	**CAS NO.**	557-04-0
CHEMICAL FAMILY	Metallic Stearate	**CHEMICAL FORMULA**	Mg $(C_{18}H_{35}O_2)_2$

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	%
Magnesium Stearate	557-04-0	100

SECTION 3 - HAZARD IDENTIFICATION OF THE PREPARATION

PHYSICAL HAZARDS	Explosive hazard when concentrated dust is present.
HEALTH HAZARDS	Irritant.
EXPOSURE LIMITS	OSHA Permissible Exposure Limit (PEL): 15 mg/m^3 total dust. ACGIH Threshold Limit Value (TLV): 10 mg/m^3 for total dust for stearates.
ROUTES OF EXPOSURE	
Skin Absorption	May cause irritation with symptoms of redness, swelling, itching and pain.
Eye Contact	Eye contact may cause irritation with symptoms of redness, swelling, itching, tearing and pain.
Ingestion	May cause gastroenteritis (inflammation of the lining membrane of the stomach and intestines) with abdominal pain, nausea, vomiting and diarrhea.
Inhalation	May cause irritation to the respiratory tract.
EFFECTS OF OVER-EXPOSURE	Not known to aggravate any pre-existing conditions.

SECTION 4 - FIRST-AID MEASURES

SKIN	Immediately remove any contaminated clothing. Wash contaminated area thoroughly with soap and copious amounts of water for at least 15 minutes. If irritation or adverse symptoms develop, seek medical attention.
EYES	Remove any contact lenses at once. Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop, seek medical attention.
INGESTION	Contact a physician, hospital or Poison Control Center at once.
INHALATION	Remove to fresh air, if coughing, breathing becomes labored, irritation develops or other symptoms develop, seek medical attention at once, even if symptoms develop several hours after the exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT:	>350˚F (177˚C), C.O.C.
FLAMMABLE LIMITS:	Not established.
AUTO IGNITION TEMP.	>700˚ F (371˚C)
FIRE EXTINGUISHER MEDIA	Water spray, foam, carbon dioxide or dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES	Burning will produce toxic fumes. Firemen should be equipped with SCBA with a full face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment.
UNUSUAL FIRE AND EXPLOSION HAZARDS	Concentrated dust may present an explosion hazard.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE	Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparkling tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

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SECTION 7 - HANDLING AND STORAGE

HANDLING	Avoid dust formation and control ignition sources. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in any process of capable of generating dust and/or static electricity. Empty only into inert or non-flammable atmosphere. Emptying contents into a non-inert atmosphere where flammable vapors may be present could cause a flash fire or explosion due to electrostatic discharge. DO NOT USE NEAR FOOD OR DRINK. Avoid eye contact. Use with adequate ventilation. Wear personal protection equipment recommended in section 8. Reseal containers immediately after use.
STORAGE	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. DO NOT STORE WITH FOOD OR DRINK.
OTHER PRECAUTIONS	Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for this product.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION	Work ambient concentrations should be monitored and if airborne concentrations are expected to exceed acceptable levels wear a NIOSH approved dust air-purifying respirator. When using respirators refer to OSHA's 29CFR 1910.134.
VENTILATION	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure.
EYE PROTECTION	Safety goggles recommended. Permanent eyewash is highly recommended.
HAND PROTECTION	Protective gloves recommended.
OTHER	Emergency showers and eye wash stations should be available.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Fine white powder with slight fatty odor.		
BOILING POINT:	Not established.	**SPECIFIC GRAVITY:**	1.0
VAPOR PRESSURE:	Not established.	**SOLUBILITY IN WATER:**	Insoluble.
EVAPORATION RATE:	Not established.	**FLASH POINT:**	>350˚F (177°C), C.O.C.
VAPOR DENSITY:	Not established.	**FLAMMABLE LIMITS:**	Not established.
% VOLATILE BY VOLUME:	Not established.		

SECTION 10 - STABILITY AND REACTIVITY

INCOMPATIBILITY (Materials to avoid)	Avoid contact with peroxides, strong mineral acids and strong oxidizing agents.
STABILITY	Stable under ordinary conditions of use and storage.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon dioxide, carbon monoxide and magnesium oxide.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Magnesium Stearate

Hazard Data:

Oral: Rat--TD_{Lo}: 1092 gm/kg/13W-C, liver - L70 nutritional and gross metabolic - weight loss or decreased in weight gain.

SECTION 12 - ECOLOGICAL INFORMATION

No data is available on the preparation itself. The product should be prevented from entering drains, sewers, streams, etc.

SECTION 13 - DISPOSAL CONSIDERATIONS

Prevent material from entering drains, sewers, streams, etc.

Immediately dispose of waste material in accordance with federal, state and local regulations.

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SECTION 14 - TRANSPORT INFORMATION

FOR DOMESTIC	NMFC CLASSIFICATION
NO DOT LABEL REQUIRED	METALLIC SOAPS OF FATTY ACID ITEM # 45230, CLASS 65

SECTION 15 - REGULATORY INFORMATION

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Chemical Name	CAS Number	Percent
None	N/A	N/A

Reportable Quantity
Not applicable.

Australian Inventory of Chemical Substances (AICS)
The ingredients in this product are listed in the Australian AICS Inventory.

Canadian Domestic Substances List (DSL)
The ingredients in this product are listed in the Canadian DSL Inventory.

Chinese Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC)
The ingredients in this product are listed in the Chinese IECSC Inventory.

European Inventory of Existing Commercial Chemical Substances (EINECS)
The ingredients in this product are listed in the European EINECS Inventory.

Japanese Exiting and New Chemical Substances (ENCS)
The ingredients in this product are listed in the Japanese ENCS Inventory.

Korean Existing Chemicals List (ECL)
The ingredients in this product are listed in the Korean ECL Inventory.

Philippines Inventory of Chemicals and Chemical Substances (PICCS)
The ingredients in this product are listed in the Philippines PICCS Inventory.

US Toxic Substances Control Act (TSCA)
The ingredients in this product are listed in the US TSCA Inventory.

Status of Carcinogicity
Not recognized as a carcinogen by the IARC, NTP or OSHA.

SECTION 16 - OTHER INFORMATION

NFPA 704 Rating			HMIS Rating		
Health	Flammability	Reactivity	Health	Flammability	Reactivity
0	1	0	0	1	0

MSDS Reference: MATHE MS FG-NF-KOSHER MSDS 0607.3

DISCLAIMER OF LIABILITY

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