

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

ISSUE DATE : 2008/01/12

PRODUCT NAME : P-Life SMC2360

Manufacturer's Name and Address : P-Life Japan Inc.
1-30-16-205, Todoroki, Setagayaku
Tokyo, Japan 1580082 Tel: 81-3-3705-7284

PRODUCT USE : Lubricant, Catalyst for Polyolefin Polymers

CHEMICAL NAME : Mixture

CHEMICAL FORMULA : NA

SYNONYMS/COMMON NAMES: NA

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name/ Common name	CAS#	%	OSHA	ACGIH TLV	FDA
Metal Salt of Fatty Acid	Proprietary	50-70	5ppm Ceiling as metal	0.2 mg/M ³ As metal	21CFR 175.300
Rare Earth Compounds	Proprietary	10-20	N/A	N/A	21CFR 175.300 21 CFR 178.2010
Lubricant	Proprietary	10-20	N/A	N/A	21CFR 175.105 21CFR 175.300

3. HAZARDS IDENTIFICATION

Appearance: Beige Powder

Odor: No Odor

ROUTES OF ENTRY:

Eyes, Ingestion, Inhalation, Skin.

TARGET ORGANS:

Central nervous system, eyes, skin, respiratory system, lungs, mucous membranes.

CANCER INFORMATION:

This product (or components) is not listed as a carcinogen according to OSHA, NTP, IARC and ACGIH

INHALATION:

May cause respiratory irritation, central nervous system effects. Over exposure may cause drowsiness, dizziness, nausea, vomiting and headache.

EYES:

May cause eye irritation and damage to the eye if not removed promptly.

SKIN:

DIRECT CONTACT MAY CAUSE MODERATE TO SEVERE IRRITATION WITH DRYING, REDNESS CRACKING AND BLISTERING. SOLVENTS MAY BE ABSORBED THROUGH THE SKIN AND CAUSE ADVERSE EFFECTS.

INGESTION:

Ingestion may cause gastrointestinal irritation (nausea, vomiting, diarrhea). Aspiration of the material into the lungs can cause lung damage. Ventricular fibrillation may occur. Prolonged exposure may result in gastrointestinal burns.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

May aggravate pre-existing respiratory and skin disorders and allergies.

4. FIRST AID MEASURES

EYES:

IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN:

Remove contaminated clothing and shoes promptly. Wash thoroughly with soap and water and large amounts of water until no evidence of chemical remains (approximately 15 minutes). Wash clothing before reuse. IF IRRITATION OR REDNESS OCCURS, GET MEDICAL ATTENTION.

INHALATION:

Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:

Get medical attention immediately. Do not induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration.

NOTES TO PHYSICIAN:

none

5. FIRE FIGHTING MEASURES

Flash Point: >350°F

Method:

FLAMMABLE: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: CO2, FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY.

FIRE FIGHTING PROCEDURES:

Use Self-Contained Breathing-Apparatus

FIRE AND EXPLOSION HAZARD:

Avoid dust. Airborne dust clouds are combustible. Avoid sources of ignition in dusty areas.

ACCIDENTAL RELEASE MEASURES

Ventilate area of spill. Avoid generating dust. Collect material into appropriate containers for reuse or disposal. Material may also be flushed with water to a wastewater treatment system.

6. HANDLING AND STORAGE

Avoid contact with eyes, skins and clothing. Avoid breathing dust. Wash thoroughly after handling. Store in closed containers. Avoid generating dust.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits.

PERSONAL PROTECTION

RESPIRATORY:

For emergencies and unknown concentrations, use NIOSH/MSHA approved positive pressure self-contained breathing apparatus. Utilize respiratory protective equipment in accordance with 29CFR 1910.134 (Respiratory Protection).

EYE/FACE:

Wear chemical safety goggles plus full face shield to protect against splashing when appropriate (ANSI Z87.1).

SKIN:

Wear chemical resistant gloves. Wear impermeable suite if exposure is possible to a large portion of the body.

OTHER:

Emergency shower and eyewash facility should be in close proximity (ANSI Z358.1).

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Light Brown-Pink Powder, No Odor

Vapor Pressure(mm HG): N/A

Vapor Density (Air=1): N/A

Boiling Point: N/A

Freezing Point: N/A

Specific gravity: 1.05-1.2

Melting Point: 60-80°C

Solubility in Water (% by wt.): negligible

pH: NA

Evaporation Rate: NA

9. STABILITY AND REACTIVITY

Stability: This product is stable. Hazardous polymerization will not occur.

Incompatibility: Strong oxidizing agents

Hazardous decomposition by products:

Thermal decomposition may produce carbon monoxide.

10. TOXICOLOGICAL INFORMATION

None found for this product.

11. ECOLOGICAL INFORMATION

Metal compounds are known to have detrimental effects on aquatic organisms.

12. DISPOSAL CONSIDERATIONS

Dispose in closed containers, at an approved landfill, in accordance with local, state and federal regulations. Material may also be flushed with water to a wastewater treatment system.

13. TRANSPORT INFORMATION

This product is not regulated for transportation. However, one should observe the usual precautionary measures for transporting chemicals.

14. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Material Safety Data Sheet available to your employees.

To aid our customers in complying with regulatory requirements, SARA Title III Hazard Categories for this product are indicated below. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40.CFR.370. Please consult those regulations for details.

CHEMICAL INVENTORIES:

All components of this product that are required to be on the TSCA inventory are listed on this inventory.

SARA/TITLE III HAZARD CATEGORIES: Acute and Chronic Health Hazard
Manganese compounds are subject to SARA section 313 reporting: Manganese comp. 65% max.

15. OTHER INFORMATION

For additional non-emergency health, safety or environmental information, telephone +81-3-3705-7284 or write to:

P-Life Japan Inc.
1-30-16-205, TODOROKI, SETAGAYA-KU
TOKYO 1580082, JAPAN

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