

MG-40 SAFETY DATA SHEET

1 - Chemical Product and Company Identification

MSDS Name: Magnesium Stearate

Application : Additive

EN No : 209-150-3

CAS No : 557-04-0

Company Identification **TEPE KİMYA SAN.TİC.A.Ş.**

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2 - Composition, Information on Ingredients

Chemical Description: Magnesium stearate

Dangerous components : none

3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white solid. **Warning!** May be harmful if swallowed. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Inhalation of fumes may cause metal-fume fever.

Target Organs: None.

Potential Health Effects

Eye: Dust may cause mechanical irritation.

Skin: Dust may cause mechanical irritation.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count. May cause respiratory tract irritation.

Chronic: No information found.

4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically and supportively.

5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. Material will burn in a fire.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Remove all sources of ignition. Provide ventilation.

7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: Keep away from heat and flame. Store in a cool, dry place. Keep containers tightly closed.

8 - Exposure Controls, Personal Protection

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR §1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

9 - Physical and Chemical Properties

Physical State: Solid, Powder

Appearance: white

Odor: fatty acid odor

pH: 6.5-7.5 in slurry

Vapor Pressure: Negligible.

Vapor Density: Not applicable.

Evaporation Rate: Not applicable.

Viscosity: Not applicable.

Boiling Point: Not available.

Melting Point: 105 ± 2 deg C

Decomposition Temperature: Not available.

Solubility: Insoluble in cold water.

Molecular Formula: Mg[CH₃[CH₂]₁₆COO]₂

10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Dilute acids, oxidizing materials.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, toxic fumes of Lithium oxide.

Hazardous Polymerization: Will not occur.

11 - Toxicological Information

LD50/LC50:

Oral, mouse: LD50 = >10 gm/kg;

Oral, rat: LD50 = >10 gm/kg; <BR.

Carcinogenicity

ACGIH: A4 - Not Classifiable as a Human Carcinogen (listed as Stearates).

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Other Studies: No data available.

12 - Ecological Information

No information available.

13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

14 - Transport Information

Land transport ADR/RID (cross border)

ADR/RID class: -

Martime transport IMDG:

IMDG Class : -

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA class: -

Transport information: Not dangerous according to the above specifications 'GOODS ARE NOT CLASSIFIED AS DANGEROUS GOODS AS PER IATA/ICAO REGULATIONS'

15 - Regulatory Information

Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

16 – Other Information

Available

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Date : January 2021