1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 107635
Product Name: Sodium Molybdate 35% Solution
Trade Name: MOLY35
Company Name: Compass Chemical International LLC
      5544 Oakdale Road SE
      Smyrna, GA 30082
Web site address: www.compasschemical.com
Emergency Contact: Chemtrec
      24 Hour (404)696-6711
      (678)904-4017
Phone Number: (800)424-9300

Intended Use: Intended for Industrial Use

2. HAZARDS IDENTIFICATION

Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye irritation, Category 2A
Specific Target Organ Toxicity (single exposure), Category 3

GHS Signal Word: Warning
GHS Hazard Phrases:
      H302 - Harmful if swallowed.
      H315 - Causes skin irritation.
      H319 - Causes serious eye irritation.
      H332 - Harmful if inhaled.
      H335 - May cause respiratory irritation.
GHS Precaution Phrases:
      P261 - Avoid breathing gas/mist/vapours/spray.
      P264 - Wash hands thoroughly after handling.
      P270 - Do not eat, drink or smoke when using this product.
      P271 - Use only outdoors or in a well-ventilated area.
      P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases:
      P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
      P302+352 - IF ON SKIN: Wash with plenty of soap and water.
      P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position
       comfortable for breathing.
      P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
       contact lenses, if present and easy to do. Continue rinsing.
      P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
      P321 - Specific treatment see Response/First aid section on this label.
      P330 - Rinse mouth.
      P332+313 - If skin irritation occurs, get medical advice/attention.
      P337+313 - If eye irritation persists, get medical advice/attention.
      P362+364 - Take off contaminated clothing and wash it before reuse.
GHS Storage and Disposal Phrases:
      P404 - Store in a closed container.
      P405 - Store locked up.
      P403+235 - Store in cool/well-ventilated place.
      P501 - Dispose of contents/container in accordance with all federal, state and local
       regulations.
OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.
Potential Health Effects (Acute and Chronic):
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eye Contact: May cause eye irritation.
Ingestion: May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Concentration</th>
<th>RTECS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>10102-40-6</td>
<td>Sodium molybdate {Molybdic acid disodium salt, dihydrate}</td>
<td>35 %</td>
<td>QA5085000</td>
</tr>
</tbody>
</table>

Additional Chemical Information

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
In Case of Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In Case of Skin Contact: In case of contact, immediately wash skin with soap and copious amounts of water. Wash with plenty of soap and water for at least 15 minutes.
In Case of Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
In Case of Ingestion: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Signs and Symptoms Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Chronic exposure: Molybdenum is rapidly excreted from the body. Persons exposed for long periods of time suffer from anemia.

5. FIRE FIGHTING MEASURES

Flammability Classification: negligible fire hazard
Flash Pt: NA     Method Used: Not Applicable
Explosive Limits: LEL: N.A.         UEL: N.A.
Autoignition Pt: NA
Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary.
Flammable Properties and Hazards: Not considered to be a fire hazard. Not considered to be an explosion hazard.
6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Equipment and Emergency Procedures:
Clothes to prevent skin contact. Chemical safety goggles. Impervious gloves.

Environmental Precautions: Avoid release to the environment.

Steps To Be Taken In Case Material Is Released Or Spilled:
Ventilate the area.

Do not let product enter drains.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:
Normal measures for preventive fire protection. Avoid breathing dust, vapor, mist, or gas.

Precautions To Be Taken in Storing:
Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Partial Chemical Name</th>
<th>OSHA TWA</th>
<th>ACGIH TWA</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>10102-40-6</td>
<td>Sodium molybdate (Molyblic acid disodium salt, dihydrate)</td>
<td>PEL: 5 mg/m3 as Mo</td>
<td>TLV: 15mg/m3 as Mo</td>
<td>OSHA TWA 5 mg/m3 as Mo</td>
</tr>
</tbody>
</table>

Respiratory Equipment (Specify Type):
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection:
Chemical safety goggles.

Protective Gloves:
For prolonged or repeated contact use protective gloves.

Other Protective Clothing:
Chemical resistant apron.

Engineering Controls (Ventilation etc.):
Use adequate ventilation to keep airborne concentrations low.

Work/Hygienic/Maintenance Practices:
General industrial hygiene practice.

Environmental Exposure Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:
[ ] Gas      [ X ] Liquid      [ ] Solid

Appearance and Odor:
Clear colorless.
Slight odor.
Odor threshold: Unavailable

Freezing Point:
-4.00 C (24.8 F)

Boiling Point:
~ 105.0 C (221.0 F)

Decomposition Temperature: NA

Autoignition Pt: NA

Flash Pt: NA Method Used: Not Applicable

Explosive Limits:
LEL: N.A.      UEL: N.A.

Specific Gravity (Water = 1): 1.370 - 1.390 at 25.0 C (77.0 F)

Density: 11.4 - 11.6 LB/GA at 25.0 C (77.0 F)
Bulk density: NP
Vapor Pressure (vs. Air or mm Hg): NA
Vapor Density (vs. Air = 1): NA
Evaporation Rate: NA
Solubility in Water: soluble at 25.0 C (77.0 F)
Saturated Vapor Concentration: NA
Viscosity: NA
Octanol/Water Partition Coefficient: no data
pH: 8.5 - 10.5
Percent Volatile: ~ 65.00 % by weight.
VOC / Volume: NA
Particle Size: NP
Heat Value: NP
Corrosion Rate: NA

10. STABILITY AND REACTIVITY

Stability: Unstable [ ] Stable [ X ]
Conditions To Avoid - Strong oxidizing agents. Excess heat.
Instability:
Incompatibility - Materials To Avoid: Alkali metals, most common metals and oxidizing agents. Explodes on contact with molten magnesium. Violent reaction with interhalogens (e.g., bromine pentafluoride; chlorine trifluoride). Incandescent reaction with hot sodium, potassium or lithium.
Hazardous Decomposition or Byproducts: Carbon oxides, oxides of molybdenum. Sodium oxides.
Possibility of Hazardous Reactions: Will occur [ ] Will not occur [ X ]
Conditions To Avoid - Hazardous Reactions: Hazardous Polymerization will not occur at room temperature.
Avoid moisture, heat, flames, ignition sources and incompatibles.
11. TOXICOLOGICAL INFORMATION

Toxicological Information: No data available.

CAS# 10102-40-6:

Reproductive Effects; TDLo, Oral, Rat, 401.0 MG/KG, female 6 week(s) pre-mating.
Result:
Maternal Effects: Menstrual cycle changes or disorders.
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Reproductive Effects; TDLo, Intravenous, Mouse, 968.0 GM/KG, female 8 day(s) after conception.
Result:
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
Specific Developmental Abnormalities: Musculoskeletal system.

Other Studies; TDLo, Intraperitoneal, Rat, 28.00 MG/KG, 4 W.
Result:
Blood: Normocytic anemia.
Blood:Changes in serum composition (e.g. Biochemical: Metabolism (Intermediary) - Plasma proteins not involving coagulation.

Acute toxicity, LD50, Intraperitoneal, Rat, 520.0 MG/KG.
Result:
Behavioral: Somnolence (general depressed activity).
Behavioral: Coma.

Acute toxicity, LD50, Intraperitoneal, Mouse, 257.0 MG/KG.
Result:
Behavioral: Somnolence (general depressed activity).
Behavioral: Coma.

12. ECOLOGICAL INFORMATION

General Ecological Information: No information available.

Results of PBT and vPvB assessment: PBT and vPvB assessment: no data available.

Persistence and Degradability: No information available.

Bioaccumulative Potential: No information available.

Mobility in Soil: No information available.
13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Product. Observe all federal, state, and local environmental regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

Contaminated packaging.
Dispose of as unused product.

Processing, use or contamination of this product may change waste management options.

14. TRANSPORT INFORMATION

GHS Classification: Acute Toxicity: Inhalation, Category 4 - Warning! Harmful if inhaled
Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed
Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation
Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation
Specific Target Organ Toxicity (single exposure), Category 3 - Warning! May cause respiratory irritation, or may cause drowsiness and dizziness

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class: UN/NA Number:

LAND TRANSPORT (Canadian TDG):
TDG Shipping Name: Not Regulated.
UN Number:
Hazard Class: TDG Classification:

LAND TRANSPORT (European ADR/RID):
ADR/RID Shipping Name: Not dangerous goods.
UN Number:
Hazard Class:

MARINE TRANSPORT (IMDG/IMO):
IMDG/IMO Shipping Name: Not dangerous goods.

AIR TRANSPORT (ICAO/IATA):
ICAO/IATA Shipping Name: Not dangerous goods.

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>S. 302 (EHS)</th>
<th>S. 304 RQ</th>
<th>S. 313 (TRI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10102-40-6</td>
<td>Sodium molybdate {Molybdic acid disodium salt, dihydrate}</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections

<table>
<thead>
<tr>
<th>311/312 as indicated:</th>
<th>Acute (immediate) Health Hazard</th>
<th>Chronic (delayed) Health Hazard</th>
<th>Fire Hazard</th>
<th>Sudden Release of Pressure Hazard</th>
<th>Reactive Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Yes [ ] No</td>
<td>[ ] Yes [X] No</td>
<td>[ ] Yes [X] No</td>
<td>[ ] Yes [X] No</td>
<td>[ ] Yes [X] No</td>
<td></td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
Sodium Molybdate 35% Solution

CAS #   Hazardous Components (Chemical Name)   Other US EPA or State Lists
10102-40-6   Sodium molybdate {Molybdic acid disodium salt, dihydrate}   CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

CAS #   Hazardous Components (Chemical Name)   International Regulatory Lists
10102-40-6   Sodium molybdate {Molybdic acid disodium salt, dihydrate}   Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No; Australia ICS: Yes; China IECSC: Yes; Japan ENCS: Yes - (1)-478; Korea ECL: No; Philippines ICCS: Yes; Taiwan TCSCA: Yes; REACH: Yes - (P)

Regulatory Information Statement: Regulatory information provided in this SDS was prepared for this product and is to be used only for the product in its present form. If this material is used as a component in another material or altered in any way, the information in this SDS may no longer be applicable. This document was generated for the purpose of distributing health, safety and environmental data.

16. OTHER INFORMATION

Revision Date: 08/04/2015
Preparer Name: Compass EHS Department (404)696-6711 4071

Hazard Rating System: NA- Not Available
FLAMMABILITY: 0
PHYSICAL: 0
PPE: Dn

NFPA: Health 1 Flammability 0 Special Hazard

Additional Information About This Product: SDS Data Field Acronym Legend:

Company Policy or Disclaimer: MANUFACTURER DISCLAIMER: NOTICE: We believe that the information contained on this Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all-inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulation, rules or insurance requirements. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.