## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name**: Solventol® 2409

**Substance number**: REL_8362

**Chemical usage**: Cleaning Compound

**Manufacturer or supplier’s details**

- **Company**: Chemetall US, Inc.
- **Address**: 675 Central Avenue, New Providence NJ 07974
- **Telephone**: (800) 526-4473
- **Telefax**: (908) 464-4658
- **Emergency telephone no**: CHEMTREC - 800-424-9300, 1-703-527-3887 (International)

## SECTION 2. HAZARDS IDENTIFICATION

### Emergency Overview

<table>
<thead>
<tr>
<th>Appearance</th>
<th>powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>brown</td>
</tr>
<tr>
<td>Odour</td>
<td>musty</td>
</tr>
</tbody>
</table>

**Hazard Summary**

- Harmful if swallowed.
- Harmful by inhalation.
- Causes severe burns.

**GHS Classification**

- **Skin corrosion**: Category 1A
- **Serious eye damage**: Category 1

**GHS Label element**

**Hazard pictograms**

**Signal word**: Danger

**Hazard statements**: Causes severe skin burns and eye damage.

**Precautionary statements**: **Prevention**:

- Do not breathe dust or mist.
- Wash skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
Wash contaminated clothing before reuse.

Storage:
Store locked up.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects
Inhalation : yes
Skin : yes
Ingestion : yes
Aggravated Medical Condition : None known.

Carcinogenicity:
IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components
## SECTION 4. FIRST AID MEASURES

**If inhaled**
- Remove to fresh air.
- If symptoms persist, call a physician.
- If breathing is irregular or stopped, administer artificial respiration.

**In case of skin contact**
- Wash off immediately with plenty of water for at least 15 minutes.
- Take off contaminated clothing and shoes immediately.
- Get medical attention immediately if irritation develops and persists.

**In case of eye contact**
- Rinse immediately with plenty of water for at least 15 minutes.
- Keep eye wide open while rinsing.
- Get medical attention immediately.

**If swallowed**
- Rinse mouth.
- Drink plenty of water.
- Never give anything by mouth to an unconscious person.
- Get medical attention immediately.

## SECTION 5. FIREFIGHTING MEASURES

**Suitable extinguishing media**
- Dry chemical
- Carbon dioxide (CO2)
- Foam
- Water spray

**Special protective equipment for firefighters**
- In the event of fire, wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
- Ensure adequate ventilation.
- Avoid dust formation.
- Ventilate area.
- Avoid dust generation
- Sweep up and remove immediately.
- Keep in suitable, closed containers for disposal.
- Flush with plenty of water.

**Methods and materials for containment and cleaning up**
- Ventilate area.
- Avoid dust generation
- Sweep up and remove immediately.
- Keep in suitable, closed containers for disposal.
- Flush with plenty of water.
Additional advice: Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Avoid breathing dust. Use only with adequate ventilation.

Conditions for safe storage: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store indoors in a cool, well-ventilated place. Protect from direct contact with water or excessive moisture.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium oxide</td>
<td>1309-48-4</td>
<td>TWA (Inhalable fraction)</td>
<td>10.000000 mg/m3</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (fume, total particulate)</td>
<td>15.000000 mg/m3</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Fume - total particulate)</td>
<td>10.000000 mg/m3</td>
<td>OSHA P0</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection Remarks: Impervious gloves

Eye protection: Chemical resistant goggles must be worn.

Skin and body protection: Rubber or plastic apron

Hygiene measures: Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wear suitable protective clothing. Wash hands before breaks and immediately after handling the product. Provide adequate ventilation. Avoid breathing dust or vapor. Keep away from food and drink.
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**: powder
- **Colour**: brown
- **Odour**: musty
- **pH**: < 2.5, Concentration: 40.00000 g/l
- **Freezing point**: not applicable
- **Boiling point/boiling range**: no data available
- **Flash point**: does not flash
- **Evaporation rate**: Not applicable
- **Upper explosion limit**: Not applicable.
- **Lower explosion limit**: Not applicable.
- **Vapour pressure**: no data available
- **Relative density**: not applicable
- **Bulk density**: 77.79 lb/ft³
- **Solubility(ies)**
  - **Water solubility**: Appreciable
  - **Partition coefficient: n-octanol/water**: no data available
  - **Auto-ignition temperature**: No data available
  - **Thermal decomposition**: No data available
- **Viscosity, dynamic**: No data available

SECTION 10. STABILITY AND REACTIVITY

- **Conditions to avoid**: Exposure to moisture.
- **Incompatible materials**: Bases
  - Strong oxidizing agents
  - Warning! Do not use together with other products. May release dangerous gases (chlorine).
- **Hazardous decomposition products**: Hydrogen when reacts with certain metal.
  - Nitrogen Oxides
  - Sulphur oxides
  - ammonia
SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

**Product:**
- Acute oral toxicity: Acute toxicity estimate: 3,202,000,000 mg/kg
  Method: Calculation method

**Components:**
- **Sulfamic acid:**
  - Acute oral toxicity: LD50 rat: 3,160,000,000 mg/kg
  - LD50 mouse: 1,312,000,000 mg/kg

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available

STOT - single exposure
no data available

STOT - repeated exposure
no data available

Aspiration toxicity
no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
no data available

Bioaccumulative potential

**Product:**
- Partition coefficient: n-: Remarks: no data available
octanol/water

Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION

International regulation
UN2967, Sulfamic Acid, Mixture, Class 8, PG III

National Regulations
UN2967, Sulfamic Acid, Mixture, Class 8, PG III

SECTION 15. REGULATORY INFORMATION

TSCA Status: All components of this material comply with US TSCA requirements.

OSHA Hazards
WHMIS Classification: Combustible dust
E: Corrosive Material
D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards: No SARA Hazards

SARA 302: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III; Section 302.

SARA 313: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations
Massachusetts Right To Know
Magnesium oxide 1309-48-4

Pennsylvania Right To Know
Sulfamic acid 5329-14-6
Safety Data Sheet

Solventol® 2409

Version 1.1  Revision Date 10/19/2016  Print Date 10/19/2016

Magnesium oxide 1309-48-4

New Jersey Right To Know

Sulfamic acid 5329-14-6
Magnesium oxide 1309-48-4

NFPA:

Flammability

Health 3 0
Physical Hazard 0
Special hazard.

HMIS III:

HEALTH 3
FLAMMABILITY 0
PHYSICAL HAZARD 0

Corrosive Acid

Safety Glasses, Gloves, Apron, Dust Respirator

SECTION 16. OTHER INFORMATION

Further information

Version 1.1
Revision Date: 10/19/2016

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