

Safety Data Sheet



Solventol® 2409

Version 0.1

Revision Date 06/01/2015

Print Date 06/01/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Solventol® 2409
Substance number : REL_8362
Chemical usage : Cleaning Compound

Manufacturer or supplier's details

Company : Chemtall 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

| | |
|----------------|---|
| Appearance | powder |
| Colour | brown |
| Odour | musty |
| 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.

Solventol[®] 2409

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

Hazardous components

Safety Data Sheet



Solventol[®] 2409

Version 0.1

Revision Date 06/01/2015

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| Component | CAS-No. | Weight percent |
|-----------------|-----------|----------------|
| Sulfamic acid | 5329-14-6 | 90 - 100 |
| Magnesium oxide | 1309-48-4 | 1 - 5 |

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

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.
- 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.

Safety Data Sheet



Solventol[®] 2409

Version 0.1

Revision Date 06/01/2015

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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

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

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.

Safety Data Sheet



Solventol[®] 2409

Version 0.1

Revision Date 06/01/2015

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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/ft ³ |
| 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 |

Safety Data Sheet



Solventol[®] 2409

Version 0.1

Revision Date 06/01/2015

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate : 3,202.000000 mg/kg
Method: Calculation method

Components:

Sulfamic acid:

Acute oral toxicity : LD50 rat: 3,160.000000 mg/kg

LD50 mouse: 1,312.000000 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

Safety Data Sheet



Solventol[®] 2409

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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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

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

OSHA Hazards : Combustible dust
WHMIS Classification : 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

Safety Data Sheet



Solventol® 2409

Version 0.1

Revision Date 06/01/2015

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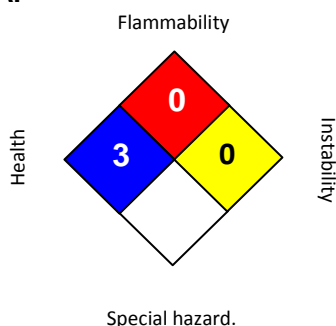
Pennsylvania Right To Know

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

New Jersey Right To Know

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

NFPA:



HMIS III:

| | |
|------------------------|----------|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 =Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

Corrosive Acid

Safety Glasses, Gloves, Apron, Dust
 Respirator

SECTION 16. OTHER INFORMATION

Further information

Version 1.0
 Revision Date 06/01/2015

Chemtall US, Inc. warrants that the products described herein will conform with its published specifications.

The products supplied by Chemtall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Chemtall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemtall's control, Chemtall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.