

Safety Data Sheet

acc. To OSHA HCS

Revision Date: 11/25/2015

1 Identification

Product Identifier *Solidus*

Article number:

Relevant Identified uses of the substance or mixture and uses advised against *No further relevant information available*

Application of the substance / the mixture

Details of the supplier of the safety data sheet

Manufacturer/Supplier *Lambert Corporation
20 Coburn Ave. Orlando, FL 32805
(407) 841-2940*

Emergency Telephone Number: *(800) 424-9300 - Chemtrec*

Information Department: *Environmental, Health, and Safety department*

2 Hazard(s) Identification

Classification of the substance or mixture

Label Elements

GHS label elements

Hazard Pictograms

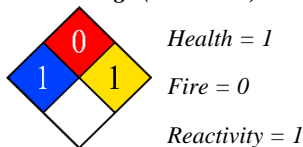


GHS07

Signal word: *Warning*

Classification system:

NFPA ratings (scale 0 - 4)



HMIS ratings (scale 0 - 4)

HEALTH	1
FIRE	0
PHYSICAL HAZARD	0

Other Hazards

Results of PBT and vPvB assessment**PBT:** Not applicable**vPvB:** Not applicable**3 Composition/Information on Ingredients****Chemical Characterization: Mixtures****Description:** Mixture of the substances listed below with nonhazardous additions**Dangerous Components:**

18972-56-0 Magnesium Silicofluoride

7664-93-9 Sulfuric Acid

Additional information For the wording of the listed risk phrases refer to section 16.**4 First-Aid Measures****Description of first aid measures****After Inhalation:** Supply fresh air, seek medical attention**After Skin Contact:** If skin irritation continues, consult a doctor**After Eye Contact:** Rinse opened eye for several minutes under running water, consult eye specialist**After Swallowing:** Do not induce vomiting. Seek medical attention**Most important symptoms and effects, both acute and delayed:** No further information available**Indication of any immediate medical attention and special treatment needed:** No further information available**5 Fire-Fighting Measures****Extinguishing media:****Suitable extinguishing agents:** CO₂, sand, extinguishing powder, foam. Fight larger fires with water spray**For safety reasons unsuitable extinguishing agents:** Water jet**Special hazards arising from the substance or mixture:** No further relevant information available**Advice for firefighters:****Protective equipment:** Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode**6 Accidental Release Measures****Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Environmental procedures: *No special measures required*

Methods and material for containment and cleaning up: *Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed*

Reference to other sections:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

Precautions for safe handling: *Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.*

Information for protection against explosions and fires: *No special requirements*

Conditions for safe storage, including any incompatibilities:

Storage: *No special requirements*

Requirements to be met by storerooms and receptacles: *Protect from temperatures below: 5 °C
The packed product is destroyed at low temperatures or by frost.
Protect from temperatures above: 40 °C
The packed product will be damaged by high temperatures.*

Information about storage in one common storage facility: *Not required.*

Further information about storage conditions: *None*

Specific end use(s): *N/A*

8 Exposure Controls/Personal Protection

Additional information about design of technical systems: *N/A*

Control parameters:

Components with limit values that require monitoring at the workplace:

7664-93-9 Sulfuric Acid

PEL 1 mg/m³

TWA 0.2 mg/m³

18972-56-0 Magnesium Silicofluoride

PEL 2.5 mg/m³

TWA 2.5 mg/m³

Additional information: *The lists that were valid during the creation were used as basis*

Exposure controls:

Personal protective equipment:**General protective and hygienic measures:**

Wash hands before breaks and at the end of work

Breathing equipment Not required

Protection of hands:

Protective Gloves

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection: Wear appropriate eye protection to prevent eye contact.

9 Physical and Chemical Properties

Information of basic physical and chemical properties

General information

Appearance:

Form: Liquid

Color: Clear

Odor: Odorless

Odor threshold: Not determined

pH- value: 2.4

Change in condition:

Melting point/Melting range: Not determined

Boiling point/Boiling range: 212°C (100°C)

Flash point: Not applicable

Flammability (solid, gaseous): Not determined

Ignition temperature: Not determined

Decomposition temperature: Not determined

Auto igniting: Not self-igniting

Danger of explosion: Product is not explosive

Explosion limits:

Lower: Not determined

Upper: Not determined

Vapor pressure at 20 °C (68 °F):	23 hPa
Density at 20 °C (68 °F)	1.11 g/cm ³
Relative density:	Not determined
Vapor density:	Not applicable
Evaporation rate:	Not applicable
Solubility in / Miscibility with Water:	Soluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic:	Not determined
Solvent content:	
Organic solvents:	0.00%
Solids content:	100.00%
Other information:	None
Volatile organic compounds:	Contains less than 800 g/L

10 Stability and Reactivity

Reactivity:

Chemical stability:

Thermal decomposition / Conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: Keep away from heat and sources of ignition

Incompatible materials: strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological Information:

Information on toxicological effects:

Acute toxicity:

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer)

7664-93-9 Sulfuric Acid

NTP (National Toxicology Program)

None of the ingredients listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients listed.

12 Ecological Information**Toxicity:**

Aquatic toxicity: *No further relevant information available.*

Persistence and degradability: *No further relevant information available.*

Bioaccumulative potential: *No further relevant information available.*

Mobility in soil: *No further relevant information available.*

Additional ecological information: *No further relevant information available.*

General notes: *No further relevant information available.*

Results of PBT and vPvB assessment:

PBT: *Not applicable*

vPvB: *Not applicable*

Other adverse effects: *No further relevant information available.*

13 Disposal Considerations**Waste treatment methods:**

Recommendation: *Must not be disposed of as normal garbage. Do not allow product to reach sewage system. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.*

Uncleaned packagings:

Recommendation: *Disposal must be made according to Federal, State, and Local regulations*

14 Transport Information**UN-Number:**

DOT, ADR, ADN, IMDG, IATA *Not regulated*

UN proper shipping name:

DOT, ADR, ADN, IMDG, IATA *Not regulated*

Transport hazard class(es):

DOT, ADR, IMDG, IATA

Class *Not regulated*

Packing group:

DOT, ADR, IMDG, IATA: *Not regulated*

Environmental hazards:

Marine pollutant: *No*

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code *Not applicable*

Transport/Additional information:

ADR:

U.S. Domestic Ground Shipments: *Same as listed for Standard Shipments above.*

U.S. Domestic ground Non-Bulk (119 gal or less per container) Shipments: *Same as listed for Standard Shipments above.*

Emergency Response Guide (ERG) Number: *Not determined*

UN "Model Regulation": *N/E*

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Sara:

Section 355 (extremely hazardous substances): *None of the ingredient listed*

Section 313 (Specific toxic chemical listings):

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below

TSCA (Toxic Substances Control Act):

None of the ingredients listed.

Proposition 65:

Chemicals known to the State of California (Prop. 65) to cause cancer:

None of the ingredients listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients listed.

Chemicals known to cause developmental toxicity:

None of the ingredients listed.

Cancerogenity categories:

EPA (Environmental Protection Agency):

None of the ingredients listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients listed.

MAK (German Maximum Workplace Concentration):

None of the ingredients listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients listed.

GHS label elements: Void

Hazard pictograms: Void

National regulations:**Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other Information

Department issuing MSDS: Environmental, Health & Safety Department

Contact: Environmental, Health & Safety Manager

Date of preparation / Last revision: 11/25/2015

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Carc. 2: Carcinogenicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1