

CERMA STM-3

Version 4 Revision Date 09/27/2013 Print Date 09/27/2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Cerma STM-3
Product Use Description : Metal Treatment

Company : Cerma Industries LLC

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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form : liquid
Colour : light brown
Odour : not significant

OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for other users of this product.

Potential Health Effects

Eyes : Contact may cause irritation.

Skin : Contact may cause irritation.

Ingestion : Ingestion may irritate the digestive tract.

Inhalation : None expected.

Chronic Exposure : No known chronic health effects.

Aggravated Medical

Condition

: None expected

Primary Routes of Entry : Skin contact

Skin absorption Inhalation Eyes Ingestion



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Carcinogenicity:

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.

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.

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.

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.

Environmental Effects

Environmental Effects : No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Polyether modified polydimethylsiloxane

Hazardous components

No ingredients are hazardous according to OSHA criteria.

SECTION 4. FIRST AID MEASURES

First aid procedures

Inhalation : Remove to fresh air. Administer artificial respiration if

necessary. Get medical aid as soon as possible.

Skin contact : Remove contaminated clothing. Wash thoroughly with soap

and water.

Eye contact : Immediately flush with plenty of water for at least 20 minutes.

Get medical aid.

Ingestion : Do not induce vomiting; aspiration hazard. Dilute with 1-2

glasses of water. Get medical aid. If vomiting occurs

spontaneously, keep head below hips to prevent aspiration of

liquid into lungs.

Notes to physician



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Risks : No information available.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Flash point : 101 ℃ (213.80 ℉)

Method: 49 (Pensky-Martens)

Ignition temperature : $> 200 \, \text{°C} \, (> 392 \, \text{°F})$

Method: DIN 51 794/ DIN prEN 14 522

Lower explosion limit : no data available

Upper explosion limit : no data available

Suitable extinguishing

media

: Foam

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

: No information available.

Special protective equipment for firefighters

Specific hazards during

firefighting

: In the event of fire, wear self-contained breathing apparatus.

: Cool closed containers exposed to fire with water spray.

Will not explode on mechanical impact.

Hazardous decomposition products due to incomplete

combustion

: Carbon oxides silicone compounds

formaldehyde

Further information : Keep away from heat and sources of ignition.

Keep away from oxidizing agents.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Eliminate all sources of ignition. Wear protective equipment:

safety glasses, gloves and an appropriate respirator.

Environmental precautions : Prevent spilled material from entering the ground, water and/or

air by using appropriate containment methods.

Methods for containment : Stop leak. Dike and contain spill.

Methods for cleaning up : Pump into salvage tanks and/or absorb with suitable material.

Use sparkless shovels to remove material.

Additional advice : No further information is available.



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SECTION 7. HANDLING AND STORAGE

Handling

Handling : Avoid contact with skin and eyes.

Handle as an industrial chemical. Keep container tightly closed. Keep away from oxidizing agents.

Storage

Advice on common storage : Keep in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

Engineering measures

Engineering measures : Use with local exhaust ventilation.

Personal protective equipment

Eye protection : Safety Glasses

Hand protection : Protective gloves

Skin and body protection : Choose body protection according to the amount and

concentration of the dangerous substance at the work place.

Respiratory protection : Not necessary.

Hygiene measures : Clean long legged, long sleeved work clothes.

Handle in accordance with good industrial hygiene and safety

practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Colour : light brown
Odour : not significant
Odor Threshold : no data available
Flash point : 101 ℃ (213.80 年)

Method: 49 (Pensky-Martens)



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Ignition temperature : > 200 °C (> 392 °F)

Method: DIN 51 794/ DIN prEN 14 522

Lower explosion limit : no data available
Upper explosion limit : no data available
pH : no data available
Freezing point : no data available Freezing point : no data available Freezing point : no data available Initial boiling point : $> 200 \, \text{C} \, (> 392.00 \, \text{F})$

: < 1.0000000 hPa Vapour pressure

at 20 °C (68.00 °F) Method: calculated

Evaporation rate : no data available Density : 1.0400 g/cm3

at 20 ℃ (68.00 €)Method: DIN EN ISO 2811-3

Bulk density : not applicable

Water solubility : completely miscible

Partition coefficient: n- : no data available

octanol/water

Relative vapour density : no data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : None known.

Materials to avoid : Strong oxidizing agents

Hazardous decomposition

products

: None expected

Chemical stability : Stable; polymerization will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : LD50 rat

Dose: > 8,000 mg/kg

Method: OECD Test Guideline 401

Skin irritation (Product) : rabbit

Classification: No skin irritation Result: No skin irritation

Method: OECD Test Guideline 404

Eye irritation (Product) : rabbit

Classification: No eye irritation

Result: No eye irritation



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Method: OECD Test Guideline 405

Sensitisation (Product) : no data available

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information (Product)

: There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of in accordance with applicable local/municipal,

state/provincial and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Container sizes: 55 gallon drums, 5 or gallon pails, Gallong/Quart Jugs, 1oz/2oz/6oz Bottles

DOT Not dangerous goods

IATA Not dangerous goods

IMDG_US Not dangerous goods

SECTION 15. REGULATORY INFORMATION

HMIS Classification : Health hazard: 1

Flammability: 1 Reactivity: 0 PPI:B

National Fire Protection : IIIB Association (NFPA) Class

Association (III I A) olass

Emergency Planning Community Right-To-Know (EPCRA)

SARA 302 Components : SARA 302: No chemicals in this material are subject to the

reporting requirements of SARA Title III, Section 302.

If listed below, this product contains toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.



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SARA 313 Components Not applicable %

SARA 311/312 Hazards : No SARA Hazards

Toxic Substances Control Act (TSCA)

TSCA Status : We certify that all of the components of this product are either

listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720 30(h).

Section 4 / 12(b) : Not applicable

Clean Air Act & Related Information

Non-volatile (Wt) : 97 - 100 %

Method: 51 (60min/105℃/1g)

DIN EN ISO 3251

Ozone Depleting Substances

: Not applicable.

Non-volatile information is not a specification.

Hazardous Air Pollutants

If not listed above, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage.

Resource Conservation and Recovery Act

EPA Hazardous Waste : Not applicable.

Code(s)

State Laws

Massachusetts Right To : No components are subject to the Massachusetts Right to Know

Know Components

Pennsylvania Right To : No components are subject to the Pennsylvania Right to Know

Know Components Act



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California Prop. 65 Components : This product does not contain any chemicals known to State of

California to cause cancer, birth defects, or any other

reproductive harm.

Does not contain heavy metals (according to formulation) except CONEG Heavy Metal: We certify that this product does not contain Lead, Mercury, Cadmium or hexavalent chromium in the sum concentration of 100 ppm by weight or greater.

Canadian Environmental Protection Act

Domestic Substances List

DSL Status : We certify that all of the components of this product are listed

on the DSL.

WHMIS Classification : Not controlled

SECTION 16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.