



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Product Stewardship Team
Zep Inc.

SAFETY DATA SHEET

WORKING COPY

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Date Issued : 10/23/2017

SDS No : Catalytic Converter Pad Adhesive

Catalytic Converter Pad Adhesive

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Catalytic Converter Pad Adhesive**GENERAL USE:** Industrial, Manufacturing or Laboratory use**PRODUCT DESCRIPTION:** Manufacture of substances as well as a laboratory chemical**PRODUCT CODE:** 66677-RR, 66677-RRT**MANUFACTURER**

LA Chemicals, Ltd.
2415 Gardner Rd.
Broadview, IL 60155

Emergency Contact: Mike Ryniec**Emergency Phone:** 800-424-9300**Customer Service:** 708-345-6880**Transportation:** 708-345-6880**E-Mail:** FVELA@LACHEMONLINE.COM**24 HR. EMERGENCY TELEPHONE NUMBERS**

AAPCC Poison Help: (800) 222-1222

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Acute Toxicity (Oral), Category 4

Skin Irritation, Category 3

Eye Irritation, Category 2

Eye Corrosion, Category 1

Environmental:

Acute Hazards to the Aquatic Environment, Category 3

GHS LABEL

Exclamation
mark

SIGNAL WORD: WARNING**HAZARD STATEMENTS**

H316: Causes mild skin irritation.

H320: Causes eye irritation.

H302: Harmful if swallowed.

H402: Harmful to aquatic life.

PRECAUTIONARY STATEMENTS**Prevention:**

P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P271: Use only outdoors or in a well-ventilated area.

P264: Wash ... thoroughly after handling.

Response:

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P101: If medical advice is needed, have product container or label at hand.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.

P363: Wash contaminated clothing before reuse.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P402+P404: Store in a dry place. Store in a closed container.

Disposal:

P501: Dispose of contents and container in accordance with local regulations.

HAZARDS NOT OTHERWISE CLASSIFIED: Dries to form glass film which can easily cut skin. Spilled material is very slippery. Can etch glass if not promptly removed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS |
|---------------------|---------|-----------|
| Sodium Polysilicate | 39 - 40 | 1344-09-8 |

COMMENTS: Formulation is based on weight %

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Give victim a glass of water. Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Adverse symptoms may include pain or irritation, watering, and redness.

SKIN: Adverse symptoms may include irritation and redness.

INGESTION: Adverse symptoms may include nausea and vomiting.

INHALATION: Adverse symptoms may include respiratory tract irritation and coughing.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NA = Not Applicable

GENERAL HAZARD: None expected under ordinary conditions.

EXTINGUISHING MEDIA: This product is non-flammable and will not support combustion.

FIRE FIGHTING PROCEDURES: Promptly remove all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

FIRE FIGHTING EQUIPMENT: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Increases the flammability of combustible, organic and readily oxidizable materials.

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6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spilled material if possible. Absorb with materials such as: Non-combustible material. Collect in suitable and properly labeled containers.

LARGE SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid dispersal of spilled material and runoff and contact with waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers or waterways).

LAND SPILL: Avoid dispersal of spilled material and runoff and contact with soil. Inform the relevant authorities if the product has caused environmental pollution (soil).

GENERAL PROCEDURES: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air). Water polluting material. May be harmful to the environment if released in large quantities.

SPECIAL PROTECTIVE EQUIPMENT: Wear protective gloves/protective clothing/eye protection/face protection.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use only in a well ventilated area.

HANDLING: Do not get in eyes. Do not swallow. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. See section 8, Exposure Controls and Personal Protection.

STORAGE: Store in accordance with local regulations. Store in a segregated and approved area in original container protected from sunlight in a dry, cool and well-ventilated and approved area away from incompatible materials. Keep container closed to prevent drying out. Move container away from oxidizing materials. Use appropriate containment to avoid environmental contamination.

STORAGE TEMPERATURE: Store in a cool place below (120) F (49) C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only adequate ventilation. Local exhaust ventilation may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

RESPIRATORY: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PROTECTIVE CLOTHING: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

OTHER USE PRECAUTIONS: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE: Liquid

ODOR: Odorless

ODOR THRESHOLD: NA = Not Applicable

APPEARANCE: Clear to slightly hazy solution

COLOR: Colorless

PHYSICAL STATE COMMENTS: This product is non-flammable and will not support combustion.

pH: 11 to 12

FLASH POINT AND METHOD: NA = Not Applicable

FLAMMABLE LIMITS: N/A to N/A

AUTOIGNITION TEMPERATURE: NA = Not Applicable

VAPOR PRESSURE: No data available. Contact Env. Dept.

VAPOR DENSITY: No data available. Contact Env. Dept.

BOILING POINT: 101°C (214°F) to 102°C (216°F)

FREEZING POINT: < -1°C (30°F)

THERMAL DECOMPOSITION: No data available. Contact Env. Dept.

SOLUBILITY IN WATER: Completely soluble in water

DENSITY: ~ 11.75 at 20°C (68°F)

SPECIFIC GRAVITY: ~ 1.41 at 20°C (68°F)

VISCOSITY #1: 20 to 1500 cPs

(VOC): None

10. STABILITY AND REACTIVITY

REACTIVITY: Normally reactive if handled properly

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: None

POSSIBILITY OF HAZARDOUS REACTIONS: None expected under ordinary conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: None

INCOMPATIBLE MATERIALS: Slightly reactive with acids.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 5000 mg/kg

Notes: Rat

ORAL LD₅₀: > 3400 mg/kg

Notes: Rat

INHALATION LC₅₀: > 2.06 g/m³

Notes: Rat

SKIN CORROSION/IRRITATION: Causes skin irritation

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye damage

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RESPIRATORY OR SKIN SENSITISATION: Mist is irritating to the respiratory tract

GERM CELL MUTAGENICITY: No known significant effects or critical hazards.

CARCINOGENICITY

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

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

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

NOTES: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by the ACGIH, NTP, OSHA, or IARC.

REPRODUCTIVE TOXICITY: No known significant effects or critical hazards.

STOT-SINGLE EXPOSURE: None

STOT-REPEATED EXPOSURE: None

ASPIRATION HAZARD: None expected under ordinary conditions.

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: This product has a low potential to bioaccumulate.

DISTRIBUTION: Readily biodegradable

AQUATIC TOXICITY (ACUTE): The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH

96-HOUR LC₅₀: > 1108 mg/l- Fish

48-HOUR EC₅₀: > 1700 mg/l- Water Flea (Daphnia magna)

CHEMICAL FATE INFORMATION: Inorganic. Soluble silicates, upon dilution, rapidly dopolymerise into molecular species indistinguishable from natural dissolved silica.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The generation of waste should be avoided or minimized whenever possible. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility. Dispose in accordance with all local, state, and federal regulations.

FOR LARGE SPILLS: Do not allow product to reach sewage system.

PRODUCT DISPOSAL: Disposal must be made according to official regulations.

EMPTY CONTAINER: Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: This product is not regulated but the DOT under 49 CFR

TECHNICAL NAME: Sodium Silicate Stixo-RR

VESSEL (IMO/IMDG)

SHIPPING NAME: This product is not regulated but the DOT under 49 CFR

TECHNICAL NAME: RU Sodium Silicate Solution

15. REGULATORY INFORMATION

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UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Acute Health Hazard

313 REPORTABLE INGREDIENTS: None reportable

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product is not listed on the CERCLA Inventory.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

| Chemical Name | CAS |
|---------------------|-----------|
| Sodium Polysilicate | 1344-09-8 |

TSCA STATUS: Some ingredients are listed on the TSCA chemical substance inventory.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: Chemical is considered hazardous by OSHA.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

RCRA STATUS: NA = Not Applicable

CARCINOGEN: None expected under ordinary conditions.

16. OTHER INFORMATION

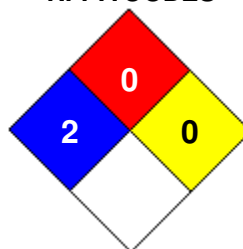
PREPARED BY: Bruce Washington

Date Prepared: 10/23/2017

HMIS RATING

| | | |
|---------------------|---|---|
| HEALTH | | 2 |
| FLAMMABILITY | | 0 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | H | |

NFPA CODES



MANUFACTURER DISCLAIMER: While reasonable care has been taken to ensure the accuracy and completeness of the information regarding the material described herein, it is the purchaser's responsibility to ensure the suitability of such information as it applies to the purchaser's intended use of the material. LA Chemicals, LTD assumes no responsibility resulting from the use of this SDS.