

SAFETY DATA SHEET

1. Identification

Name of the product: RESTORE-A-DECK STRIPPER

Recommended use: Concentrated deck stripper

Supplier:

RAD OPW LLC
2388 Franklin Rd
Bloomfield Hills, MI

EMERGENCY PHONE: 1-800-424-9300 (CHEMTREC)

2. Hazard(s) identification

GHS Classification: Classification of this mixture in accordance with paragraph (d) of §1910.1200.
Corrosive to metals Category 1
Acute toxicity, oral Category 4
Skin Corrosion/Irritation – Category 1
Eye Damage/Irritation - Category 1

Label elements:

Symbol:



Signal word: **DANGER**

Hazard statements: May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage.

Precautionary statements:

Keep only in original container. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Do not breathe mist or vapor. Wash thoroughly after handling.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower.

SAFETY DATA SHEET

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/doctor.

Storage: Store locked up
Disposal: Dispose of contents/container to an approved disposal facility.
Other Hazards: None known
Other Information: Harmful to the aquatic life.
Keep out of reach of children

3. Composition / Information on ingredients

CHEMICAL NAME	CAS NUMBER	WEIGHT %
Sodium hydroxide	1310-73-2	> 90%

4. First aid measures

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

Skin contact:

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion:

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to an

SAFETY DATA SHEET

unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

5. Firefighting measures

Suitable extinguishing media: Product does not support combustion. Use media most appropriate for surrounding fire.

Specific hazards in case of fire: The product itself does not burn. May decompose upon heating to produce corrosive and/or toxic fumes. Contact with metal may release flammable hydrogen gas.

Special protective equipment and precaution for fire fighters: For fires in enclosed areas, wear self-contained breathing apparatus. Do not inhale combustion gases.

6. Accidental release measures

Personal precautions:

Prevent contact with skin or eyes by wearing rubber gloves and approved safety glasses with side shields. Spilled material may be slippery under foot. Wear rubber boots with an anti-slip contact surface. Wear protective work clothing. Launder any contaminated clothing before reuse.

Environmental precautions:

Do not release to the environment or water source.

Methods and materials for containment and cleaning up:

Halt spill at source and contain or dike spill with sand or inert absorbent material. Transfer any liquid to containers for recovery or disposal. Shovel used absorbent into drums for disposal in accordance with all applicable local and national regulations.

7. Handling and storage

Precautions for safe handling:

Use caution when combining with water; DO NOT add water to caustic; ALWAYS add caustic to water while stirring to minimize heat generation. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe mist or vapor. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible and corrosion resistant. Observe good industrial hygiene practices.

SAFETY DATA SHEET

Conditions for safe storage, including incompatibilities:

Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store in corrosive resistant container with a resistant inner liner. Store away from incompatible materials (See Section 10). Store at temperatures not exceeding 40°C/104°F. Compatible storage materials may include, but not be limited to, the following: nickel and nickel alloys, steel, plastics, plastic or rubber-lined steel, FRP, or Derakane vinyl ester resin. Do not allow material to freeze. KEEP OUT OF REACH OF CHILDREN.

8. Exposure controls / personal protection

Occupational exposure limits:

Ingredient(s)	CAS#	ACGIH	OSHA
Sodium hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained. Eye wash facilities and emergency shower must be available when handling this product.

Respiratory protection:

None required in well-ventilated areas. Any approved organic vapor full face respirator is advised for poorly ventilated areas.

Eye protection:

Chemical splash goggles and face shield.

Skin protection:

Chemical resistant gloves and chemical resistant clothing.

9. Physical and chemical properties

Physical state: Solid

Color: White, opaque

Odor: None

pH-value: 14

Freezing Point: Not applicable

Initial boiling point: Not applicable

Flash point: None

Evaporation rate (Water=1): Not applicable

Upper flammability limit: No data available

SAFETY DATA SHEET

Lower flammability limit: No data available

Vapor pressure: No data available

Vapor density (Water Vapor=1): No data available

Specific gravity: 2.0 – 2.1

Solubility: Complete in water. Exothermic reaction.

Partition coefficient: No data available

Autoignition temperature: No data available

Decomposition temperature: No data available

Volatile Organic Compounds (VOC): 0 lbs/gal (EPA method 24)

Viscosity: Not applicable

10. Stability and reactivity

Chemical stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Corrosive to aluminum, tin, zinc, copper and most alloys in which they are present including brass and bronze. Corrosive to steels at elevated temperatures above 40°C (104°F).

Materials to avoid: Oxidizing agents. Acids. Phosphorus. Aluminum. Zinc. Tin. Initiates or catalyzes violent polymerization of acetaldehyde, acrolein or acrylonitrile.

Hazardous decomposition products: Contact with metals (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.

11. Toxicological information

Likely routes of exposure: Eyes, skin, ingestion.

Symptoms of exposure:

Eye contact: Causes severe eye burns. Causes serious eye damage.

Skin contact: Causes severe skin burns.

Inhalation: May cause irritation to the respiratory system.

Ingestion: Causes digestive tract burns. Harmful if swallowed.

Immediate, delayed, chronic effects:

Product information: No data available

Target organ effects: Eyes, skin, GI tract

Component acute toxicity information:

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Sodium hydroxide	300 - 500 mg/kg	>2,000 mg/kg	No data available

SAFETY DATA SHEET

1310-73-2	(rat)	(rabbit)	
-----------	-------	----------	--

12. Ecological information

Ecotoxicity:

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	MICRO-ORGANISMS	INVERTEBRATES
Sodium hydroxide 1310-73-2	No data available	LC50 Bluegill (Lepomis macrochirus): 99 mg/l Exposure time: 48 h	No data available	No data available

Persistence and degradability: Harmful to aquatic life. Expected to degrade rapidly in air.

Bioaccumulation: No data available but expected not to bioaccumulate based on ingredients.

13. Disposal considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code: D002

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

SAFETY DATA SHEET

US DOT PROPER SHIPPING NAME: UN1823, SODIUM HYDROXIDE SOLID, 8, PG II

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium hydroxide = 1,000 lbs. RQ

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - Yes

SARA 302 Extremely hazardous substance

No

SARA 313 (TRI reporting)

Not regulated.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. Other information

HMIS HAZARD RATING INFORMATION:

HEALTH: 3 FIRE: 0 REACTIVITY: 2 SPECIAL: 0

4=Extreme

3=High

2=Moderate

1=Slight

0=Insignificant

HMIS PROTECTION:

SAFETY DATA SHEET



Face
Shield



Gloves



Protective
Apron

SDS preparation date: March 26, 2015

SDS revision date: April 25, 2018 Section 1

The information contained herein is accurate to the best of our knowledge. RAD OPW LLC makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.