

MATERIAL SAFETY DATA SHEET

RESTORE-A-DECK WOOD DECK CLEANER

MSDS DATE: 2/23/2012

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RESTORE-A-DECK WOOD DECK CLEANER

MANUFACTURER: OPW L.L.C.
ADDRESS: 1992 Star Batt
Rochester Hills, MI 48309

EMERGENCY PHONE: 1-866-856-3325
FAX: 248-299-9867

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

Sodium carbonate peroxyhydrate

<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA PELTWA</u>	<u>OSHA PEL CEILING</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV STEL</u>
15630-89-4	70 - 80	N/E	N/E	N/E	N/E

Disodium trioxosilicate

<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA PELTWA</u>	<u>OSHA PEL CEILING</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV STEL</u>
6834-92-0	< 20	N/E	2 mg/m3	N/E	N/E

Sodium tripolyphosphate

<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA PELTWA</u>	<u>OSHA PEL CEILING</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV STEL</u>
7758-29-4	< 20	2 mg/m3	N/E	2 mg/m3	N/E

Tetracetythylenediamine

<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA PELTWA</u>	<u>OSHA PEL CEILING</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV STEL</u>
10543-57-4	10 - 15	N/E	N/E	N/E	N/E

SECTION 4 NOTES:

N/A = Not Applicable
N/E = Not Established

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Eyes, skin, inhalation, ingestion

POTENTIAL HEALTH EFFECTS

EYES: This product is destructive to eye tissue on contact. Will cause severe burns that will cause damage to eyes and even blindness.

SKIN: Can be a severe skin irritant. May be corrosive and cause severe burns if not washed immediately.

INGESTION: This product, if swallowed, can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach.

INHALATION: Exposure to dusts may cause coughing, sneezing and other symptoms of respiratory tract irritation. Overexposure may result in lung tissue damage due to corrosive effects.

CARCINOGENICITY

OSHA: NO NTP: NO IARC: NO

SECTION 4: FIRST AID MEASURES

EYES: THE OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY, THEN SEEK MEDICAL ATTENTION! Flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. SEEK MEDICAL ATTENTION IMMEDIATELY!

SKIN: Immediately wash skin with large amounts of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.

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INGESTION: If swallowed, dilute with water. **DO NOT INDUCE VOMITING.** Never give liquids if the victim is unconscious or having convulsions. Contact a physician immediately!

INHALATION: If adverse effects such as dizziness, nausea, or irritation are noted, move person to fresh air. If not breathing, give artificial respiration. Get medical attention!

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/E
(% BY VOLUME) **LOWER:** N/E

FLASH POINT: None.

METHOD USED: Not applicable.

EXTINGUISHING MEDIA: Use media most appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear a self-contained breathing apparatus when fighting fire in an enclosed area.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Oxidizer.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and oxygen.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: If material is spilled, dike area to contain spill. Absorb with sand, earth or similar inert material. Place in closed, labeled containers for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with skin and eyes; wash thoroughly after handling. Avoid breathing dust; use with adequate ventilation. Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels. Do not use aluminum or galvanized steel.

OTHER PRECAUTIONS: If this solution is mixed with water, heat will be given off. When diluting, always add this product to water **SLOWLY** with mixing in order to avoid splattering.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION: None normally required. Local exhaust may be required under special circumstances such as poorly ventilated areas, evaporation from large surfaces, spraying, heating, etc.

RESPIRATORY PROTECTION: Use NIOSH / MSHA approved respiratory where high vapor or mist concentrations are present.

EYE PROTECTION: Safety glasses with side shields. **DO NOT** wear contact lenses. Chemical goggles and/or face shield should be worn where splashing is possible.

SKIN PROTECTION: Wear chemical resistant gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash and safety shower should be readily available. Wear a chemical resistant apron and boots where splashing is possible.

WORK HYGIENIC PRACTICES: Protective equipment and clothing should be selected, used and maintained according to applicable standards and regulations. For further information, contact the clothing or equipment manufacturer. Avoid contact with skin and avoid breathing vapors or mist. Do not eat, drink or smoke while using this product. Wash hands prior to eating, drinking, smoking or using rest rooms. Cleanse skin thoroughly after contact, before breaks and meals and at the end of the work shift.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White granular powder

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ODOR: Mild.

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pH AS SUPPLIED: N/E

BOILING POINT: N/A

FREEZING POINT: N/A

VAPOR PRESSURE (mmHg): N/A

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: Complete.

PERCENT NONVOLATILE: 100%

PERCENT VOLATILE: 0%

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: May react violently with water or acid, generating heat.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids and flammable liquids.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

None available for finished product.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

None available for finished product.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: In accordance with all federal, state and local requirements.

RCRA HAZARD CLASS: D001

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (Domestic ground, non-bulk, <= 1 gallon)
PROPER SHIPPING NAME: CONSUMER COMMODITY, ORM-D

U.S. DEPARTMENT OF TRANSPORTATION
PROPER SHIPPING NAME: UN3085, OXIDIZING SOLID, CORROSIVE, N.O.S. (SODIUM CARBONATE PEROXYHYDRATE, DISODIUM TRIOXOSILICATE), 5.1 (8), PG III

INTERNATIONAL TRANSPORTATION (including WATER and AIR TRANSPORTATION)
PROPER SHIPPING NAME: UN3085, OXIDIZING SOLID, CORROSIVE, N.O.S. (SODIUM CARBONATE PEROXYHYDRATE, DISODIUM TRIOXOSILICATE), 5.1 (8), PG III

SECTION 15: REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Sodium carbonate peroxyhydrate
= 100 lbs. RQ

313 REPORTABLE INGREDIENTS: None.

SECTION 16: OTHER INFORMATION

Date prepared: February 23, 2012