

Material Safety Data Sheet

Trade Name Identity: Royson #79

Date: 1/1/10

Manufacturers Name: ROYSON ENGINEERING COMPANY

Emergency Telephone Number: 215-675-2800

Address: 100 N. PENN ST

HATBORO, PA. 19040

Chemical Name: Not Applicable For This Mixture

Synonyms: None

Chemical Family: Alkaline Metalcleaning Detergent

Appearance and Odor: Off-White Powder, Faint Pleasant Odor

Hazardous Mixtures of Other Liquids, Solids or Gases

Reacts Vigorously with Acids

Physical Data

Boiling Point, F.: None

Vapor Pressure, mm Hg: Nil

Vapor Density (Air =1): Not Applicable

Specific Gravity (Water = 1) Greater Than 1

Evaporation Rate (Toluene = 1): Not Applicable

Solubility in Water: Appreciable

Fire and Explosion Hazard Data

Flash Point: None

Flammable Limits in Air: Lower: Not Applicable; Upper: Not Applicable

Extinguishing Media: Not Applicable

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Health Hazard Data

Threshold Limit Value: None Established

Effects of Overexposure: Product And Solutions Of Product Are corrosive to Eyes and Mucous Membranes, and are irritating or corrosive to skin and digestive tract, depending upon extent of exposure. Dust is highly irritating and potentially damaging to lungs.

Acute Effects:

Eye Contact: Causes burns; small quantities can result in permanent damage with loss or impairment of vision.

Skin Contact: Causes irritation, may cause burns upon prolonged or repeated contact. Dust, or mist from solutions, can cause dermatitis.

Ingestion: Causes burns. Can be fatal if not treated.

Inhalation: Dust or Mist causes irritation or burns, depending upon extent of exposure.

Chronic Effects: Same As Acute Effects

Hazardous Components

Chemical Name: Sodium Carbonate

Synonyms: Soda Ash

Primary Routes of Entry: Inhalation, Eye, Skin

Type of Hazard: Irritant

OSHA Permissible Exposure Limit (Time Weighted Average, 8-Hour Day): No Limit Established

ACGIH TLV (Time Weighted Average, 8-Hour Day): No Limit Established

Chemical Name: Borax

Synonyms: Sodium Tetraborate

Primary Routes Of Entry: Inhalation

Type Of Hazard: Irritant

Osha Permissible Exposure Limit (Time Weighted Average, 8-Hour Day): 0.001 mg per cubic meter (inhalation)

ACGIH TLV (Time Weighted Average, 8-Hour Day): 5 mg per cubic meter (inhalation)

Chemical Name: Tetrasodium Ethylenediaminetetraacetate

Synonyms: EDTA; Na4EDTA

Primary Routes of Entry: Skin, inhalation

Type of Hazard: Irritant

OSHA Permissible Exposure Limit (Time Weighted Average, 8-hour day): None Established

ACGIH TLV (Time Weighted Average, 8-hour day): None Established

Royson #79 (Continued)

Toxic Chemical Release Reporting

The Following Chemicals In This Product Are Subject To Reporting Under Section 313 Of Sara Title III;

<u>Chemical</u>	<u>CAS Number</u>	<u>Maximum Concentration Percent by Weight</u>
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None	-	-
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Emergency and First Aid procedures

Eyes: Flush with Clear Water for at least 15 Minutes, with Eyelids Open, Until Physician Arrives.

Skin: Remove Contaminated Clothing. Flush Affected With Clear Water Until Slippery Feeling Disappears. Call physician if irritation persists.

Ingestion: If Patient is Conscious, Administer Fruit Juice Or Vinegar In Water. Do Not Induce vomiting. Do not give Anything by Mouth to an Unconscious Person. Call physician immediately.

Inhalation: In Event of Gross Overexposure to mechanically generated dust or mists, remove to fresh air. No other first aid usually required. Call physician if irritation persists.

Reactivity Data

Stability: Stable

Conditions To Avoid: Avoid Contact with Oxidizing Agents and Acids

Hazardous Decomposition Products: None

Polymerization Potential: Not Present

Spill or Leak Procedures

Steps To Be Taken If Material is Released or Spilled:

Use trained personnel equipped with appropriate eye, respiratory and skin protection (See Special Protection Information Below). Contain Spillage and Transfer to Approved Salvage Containers. Flush Area with dilute weak acid, if available, followed by water. Avoid splashing or misting. Drainage must have retention basins for neutralization before discharge.

Waste Disposal Method:

Adjust pH of solutions to between 6.0 and 8.0, Release only after assuring compliance with all applicable disposal regulations.

Special Protection Information

Respiratory Protection: None required under most use conditions. NIOSH Approved Particulate Respirator (Dust/Mist) If Process Or Handling Of Product Generates Dust, Mist Or Spray In Work Area. Refer To 29 CFR 1910.134 To Assure Compliance.

Ventilation: Provide Adequate Ventilation to meet TLV requirements.

Protective Gloves: Neoprene, nitrile rubber, or plastic

Eye Protection: Chemical Splash Goggles with side shields or face shield

Other Protective Equipment: Rubber or Plastic Outer Garment, Rubber Boots. Eye Wash Station and Safety Shower. Equipment Must be in Accordance with 29 CFR 1910.132 and 29 CFR 1910.133.

Special Precautions

Precautions to be Taken in Handling and Storing:

Store Indoors in Dry, Cool Area. Keep Container Sealed. Avoid Contact With Skin And Wash Thoroughly After Handling. Avoid Breathing Dust or mechanically generated mists. Abundant water must be available in handling area.

Other Precautions:

Do not Permit Employees to Handle Product without Training and Proper Protective Equipment. Read Material Safety Data Sheet Before using Product.

Wash with Soap and Water before Eating, Drinking, Smoking, or using Toilet Facilities.

Launder Contaminated Clothing before Reuse.

Destroyed Saturated Shoes.