Product Name RXSOL-26-8660-026

Product Type ULTRASONIC CLEANER PD 400

#### **Company Details:**

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## 2. Composition / Information on ingredients

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Proprietory blend of surface active solid ingredients, etc

### 3. Hazards Identification

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**Potential Acute Health Effects** 

Very hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (irritant, corrosive), of inges. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory traburning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling

occasionally, blistering. Potential Chronic Health Effects

Carcinogenic Not available.

Mutagenic Effects Mutagenic for mammalian somatic cells.

Teratogenic Effects Not available.

Developemental Toxicity Not available.

The substance may be toxic to mucous membranes, upper respiratory tract, skin, eyes.Repeated or prolonged exposure to the substance can produce targed exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated can produce varying degree of respiratory irritation or lung damage.

### 4. First Aid Measures

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Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least

water may be used. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated

Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean state of the control of the

Get medical attention immediately.

Serious Skin Contact Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Ge

immediately.

Serious Inhalation Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistba

difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious

immediate medical attention.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unc

large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie

Serious Ingestion Not available.

# 5. Fire-fighting Measures

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Flammability of the Product:

Auto-Ignition Temperature

Flash Points

Not applicable.

Not applicable.

Flammable Limits

Not applicable.

Fire Hazards in Presence of Various Substances metals

Products of Combustion

Explosion Hazards in Presence of Various Substances Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion

in presence of static discharge: Not available.

Slightly explosive in presence of heat

Fire Fighting Media and Instructions

Not available

Special Remarks on Fire Hazards sodium hydroxide + zinc metal dust causes ignition of the latter.

Not available.

### 6. Accidental Release Measures

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Small Spill Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the resi

solution of acetic acid.

Large Spill Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use wat

vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neu with a dilute solution of acetic acid. Be careful that the product is not present at a concentration level above TLV. Or

MSDS and with local authorities.

## 7. Handling and Storage

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Precautions Keep container dry. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear

equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin an

from incompatibles such as oxidizing agents, reducing agents, metals, acids, alkalis, moisture.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic. Deliquescent.

## 8. Exposure controls and personal protection

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Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below record

limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants by

limit

Personal Protection

Personal Protection in Case of a Large

Spill

Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self-contained breathing apparatus should inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling

Exposure Limits STEL: 2 (mg/m3) from ACGIH (TLV) [United States] TWA: 2 CEIL: 2 (mg/m3) from OSHA (PEL) [United States]

from NIOSHConsult local authorities for acceptable exposure limits.

# 9. Physical and chemical properties

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Physical state and appearance Solid Powder
Odor Odorless.
Taste Not available.
Molecular Weight 40 g/mole
Color White Powder
pH (1% soln/water) Alkaline

Boiling Point 1388°C (2530.4°F)

Melting Point 323°C (613.4°F)

Critical Temperature Not available.

Specific Gravity 2.13 (Water = 1)

Vapor Pressure Not applicable.

Vapor Density Not available.

Volatility Not available.

Odor Threshold Not available.
Water/Oil Dist. Coeff Not available.
Ionicity (in Water) Not available.

Dispersion Properties See solubility in water
Solubility Easily soluble in cold water.

## 10. Stability and reactivity

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Stability The product is stable.

Instability Temperature Not available.

Conditions of Instability Incompatible materials, moisture, moist air

Incompatibility with various substances Highly reactive with metals. Reactive with oxidizing agents, reducing agents, acids, alkalis,

moisture.

Corrosivity Not available

Special Remarks on Reactivity Hygroscopic. Much heat is evolved when solid material is dissolved in water. Therefore cold water and caution must

process. Sodium hydroxide solution and octanol + diborane during a work-up of a reaction mixture of oxime

tetrahyrofuran is very exothermic, a mild explosion being noted on one occassion.

Special Remarks on Corrosivity Very caustic to aluminum and other metals in presence of moisture.

Polymerization Will not occur.

## 11. Toxicological information

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Routes of Entry Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals

LD50 Not available.

LC50

Chronic Effects on Humans

Mutagenic Effects Mutagenic for mammalian somatic cells.

May cause damage to the following mucous member

organs Other Toxic Effects on Humans mucous membranes, upper respiratory tract, skin, eyes.

Extremely hazardous in case of inhalation (lung corrosive). Very hazardous in case of skin contact (corrosive, irritant, eye contact (corrosive), of ingestion, .

Special Remarks on Toxicity to Animals

Lowest Published Lethal Dose

LDL [Rabbit] - Route Oral; Dose: 500 mg/kg

Special Remarks on Chronic Effects on May affect genetic material. Investigation as a mutagen (cytogenetic analysis)

Humans

Special Remarks on other Toxic Effects on Humans

## 12. Ecological information

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Ecotoxicity Not available. BOD5 and COD Not available.

Products of Biodegradation

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise

Toxicity of the Products of

Not available.

Biodegradation

Special Remarks on the Products of

Biodegradation

## 13. Disposal considerations

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Waste Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

The product itself and its products of degradation are not toxic.

## 14. Transport information

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DOT Classification Class 8: Corrosive material

Special Provisions for Transport Not available.

## 15. Regulatory information

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Federal and State Regulations::

CERCLA Hazardous substances.: Sodium hydroxide: 1000 lbs. (453.6 kg)

Other Regulations

OSHA Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications

WHMIS (Canada) CLASS E: Corrosive solid.

DSCL(EEC) R35- Causes severe burns.S26- In case of contact with eyes, rinse immediately with plenty of water

advice.S37/39- Wear suitable gloves and eye/face protection. S45- In case of accident or if you feel un

advice immediately (show the label where possible).

HMIS (U.S.A.) Health Hazard: 3 Fire Hazard: 0 Reactivity: 2 Personal Protection Health: 3 Flammability: 0 Reactivity: 1

Specific hazard

Protective Equipment Gloves. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or

appropriate respirator when ventilation is inadequate. Splash goggles.

## 16. Other information

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References Not available.

Other Special Considerations Not available.

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