# 1. Product and Company Identifaction

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Product Name Degreaser SOD
Part Number RXSOL-31-3028-0263

Company Details:

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# 2. Composition / Information on ingredients

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| Name of Substance        | Cas Number | EC Number | Weight |
|--------------------------|------------|-----------|--------|
| Sodium Carbonate         | 497-19-8   | 207-838-8 | 60-70% |
| Potassium Hydroxide      | 1310-58-3  | 215-181-3 | 10-20% |
| Borax Decahydrate Sodium | 1303-96-4  | 215-540-4 | 10-20% |

#### 3. Hazards Identification

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Signal Word Warning

Hazard Statements H319 Causes serious eye irritation.

Potential Chronic Health Effects Slightly hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: Not available. MUTAGENIC

available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance upper respiratory tract, skin, eyes. Repeated or prolonged exposure to the substance can produce target organs damage

Precautionary statements - response P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

#### 4. First Aid Measures

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General Note Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and

off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advi

unconsciousness place person in the recovery position. Never give anything by mouth.

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 1:

water may be used. Get medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing

Thoroughly clean shoes before reuse. Get medical attention if irritation develops and persists.

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

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

Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. Serious

available.

### 5. Fire-fighting Measures

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Flammability Non-flammable.
Flash Point Not applicable.

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous combustion

products

Emits Na2O fumes when heated to decompositon.

Explosion Hazards in Presence of

Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product

static discharge: Not available.

Special Remarks on Fire Hazard

Sodium carbonate can ignite and burn fiercely in contact with fluoride. Sodium Carbonate in contact with fluorine

ordinary temperature with incandescence.

Advice for firefighters In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings

firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire

precautions from a reasonable distance.

#### 6. Accidental Release Measures

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

solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to loc

authority requirements.

Personal Protection Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation

danger area, observe emergency procedures, consult an expert.

Environmental Precaution Do not let product enter drains.

Methods and materials for containment and cleaning

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up

properly. Clean up affected area. Avoid generation of dusts.

Large Spill Use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a dilute solution

Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

# 7. Handling and Storage

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Handling and Precaution Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable protective clothing. In case of insufficient ventilation, wear suitable protective clothing. In case of insufficient ventilation, wear suitable protective clothing. In case of insufficient ventilation, wear suitable protective clothing. In case of insufficient ventilation, wear suitable protective clothing. In case of insufficient ventilation, wear suitable protective clothing.

away from incompatibles such as acids.

Storage Hygroscopic. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75

Advice on general occupational

hygiene

Change contaminated clothing. Wash hands after working with substance.

### 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 recomme

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

limit.

Personal Protection Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Exposure Limits: Particulate Not Otherwise Classified:

ACGIH OSHA

10 mg/m³ - Inhalable particulate 50 mppcf\* or 15 mg/m³ - Total Dust 3 mg/m³ - Respirable particulate 15 mppcf\* or 5 mg/m³ - Respirable Fraction

Other Protection Measure Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid in

product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.





#### Gloves Suit

### 9. Physical and chemical properties

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Form Flakes Colour White Odour Odourless Solubility Soluble in water Soluble in water 212.5 g/lat 20 °C Specific Gravity (20 °C 2.532 (Water = 1)pH (1% Solution) 13.50 (Basic) Not Applicable **Boiling Point** Melting Point 851°C (1563.8°F) Critical Temperature Not Available

Explosive limits Not explosive Materials

Not Applicable

Vapour pressure Not Applicable
Vapour Density Not Applicable
Viscosity Not Applicable
Partition coefficient Not Determine

Explosive properties None

Flash Point

Flamibility Solid / Gas This Product is not Flammable

#### 10. Stability and reactivity

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Reactivity No data available Stability Product is stable.

Possibility of hazardous reactions Aluminium, Alkaline earth metals, organic nitro compounds, Fluorine, Alkali metals, nonmetallic

oxides, conc. sulfuric acid.

Conditions to avoid No Information Available

Incompatible materials Strong oxidising and reducing agents

No information Available. Hazardous combustion

products

### 11. Toxicological information

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Route of Entry Inhalation. Ingestion

Toxicity to Animals WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSU

toxicity (LD50): 4090 mg/kg [Rat]. Acute toxicity of the dust (LC50): 1200 mg/m3 2 hours [Mouse].

Chronic Effects on Humans May cause damage to the following organs: upper respiratory tract, skin, eyes. Other Toxic Effects on Humans Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant). LDL (Lowest Published Lethal Dose) [Man] - Route: Oral; Dose: 714 mg/kg Special Remarks on Toxicity to

Animals

on Humans

Special Remarks on other Toxic

Effects on Humans

Special Remarks on Chronic Effects May cause adverse reproductive effects based on animal test data

Acute Potential Health Effects: Skin: Causes skin irritation with possible burns depending on the concentration, site (al skin), and duration of exposure. Eyes: Causes eye irritation and possible burns. Concentrated solutions may cause per injury (permanent corneal opacity). Ingestion: Sodium carbonate ingestion may cause irritation of the digestive tr

nausea, vomiting, diarrhea, thirst, abdominal pain depending on concentration and amount ingested.

May also affect the cardiovascular system. Inhalation: Dust may cause respiratory tract and mucous membrane irritation and shortness of breath (dyspnea), pulmonary edema. Chronic Potential Health Effects: Chronic inhalation may resu pulmonary function, nasal congestion, nosebleeds, perforation of the nasal septum. Other effects of chronic exp (dermatitis and ulceration), and gastrointestinal complaints. However, the effects of chronic exposure seem to be revers

is decreased.

# 12. Ecological information

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Toxicity Toxicity to fish: static test LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l; 96 h (ECHA)

Toxicity to daphnia and other aquatic invertebrates semi-static test EC50 Ceriodaphnia dubia (water flea): 220 - 227 mg

Process of degradability The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative potential Partition coefficient: n-octanol/water.Not applicable

Mobility in soil No Information available.

Results of PBT and vPvB assessment Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No

1907/2006, Annex XIII.

Other adverse effects Discharge into the environment must be avoided.

# 13. Disposal considerations

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Waste treatment Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original

mixing with other waste. Handle uncleaned containers like the product itself.

### 14. Transport information

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DOT Classification Not a DOT controlled material (United States).

TDG Not regulated IATA Not regulated IMDG/IMO No regulated Identification Not Applicable

Special Provisions for Transport Not Applicable

### 15. Regulatory information

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Safety, health and environmental regulations/ legislation specific for the substance or mixture

Authorisations and/or restrictions on use Disodium decahydrate CAS-No.: 1303-96-4 Candidate List of Very High Concern for Authorisation for reproduction Authorisation Toxic for reproduction ED/30/2010 Disodium tetraborate decahydrate CAS-N Candidate List of Substances of Very High Concern fo Toxic for reproduction (article 57c) ED/30/2010

Chemical safety assessment

For this product a chemical safety assessment is not applicable

#### 16. Other information

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