

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-16-1696-030  
Product Type Alka Clean EDA 30

### Company Details:

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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**Chemical Description :** Blended mixture containing alkali metal hydroxide.

### Dangerous Components:

CHEMICAL NAME	CAS NO.	CONC. %	CLASSIFICATION
Sodium Hydroxide	1310-73-2	50 % - 60 %	C ; R34
Sodium Metasilicate	13517-24-3	15 % - 25%	C; R36 R37 R38
Sodium Carbonate	497-19-8	10 % - 20 %	R36,R37

## 3. Hazards Identification

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### Personal Hazard :

Eye Contact	May cause irritation of eyes
Skin Contact	May cause temporary irritation if contacted area not washed
Inhalation	May cause mild irritation to respiratory tank

## 4. First Aid Measures

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Eyes :	Rinse opened eye for several minutes under running water. If sympto doctor
Skin :	Instantly wash with water and rinse thoroughly for at least 15 mins. R contaminated clothings
Inhalation :	Remove to fresh air. If not breathing, give artificial respiration. If br give oxygen. Seek medical attention
Ingesting :	Never give fluids or induce vomiting if patient is unconscious or hav

## 5. Fire-fighting Measures

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Extinguishing media :	Water spray and carbon-dioxide.
Special Fire Fighting Procedures :	Avoid eye and skin contact. Do not breath fumes

## 6. Accidental Release Measures

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Approach release from upwind. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Carefully neutralize spill with dilute HCl. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Use water spray to cool, absorb, and disperse vapors. Do not use combustible materials, such as saw dust. Do not flush to sewer!.

## 7. Handling and Storage

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### HANDLING:

Information for safe handling :

Prevent formation of dust.Ensure good ventilation / exhaustion must be removed regularly.

### STORAGE :

Information about storage in one common storage facility :

Do not store together with acids. Store under dry conditions.Keep container tightly sealed.

## 8. Exposure controls and personal protection

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Engineering Controls :	Ensure adequate ventilation (eg. Local exhaust ventilation).
Personal Protection :	For eye and face protection wear chemical workers goggles. Respiratory protection is not required. For other clothing and equipment, rubber or PVC gloves and protective clothing, an eyewash emergency shower should be available. Use fresh clothing, daily take hot shower after work using plenty of soap. Launder contaminated clothing before reuse.

## 9. Physical and chemical properties

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Appearance :	Solid
Colour :	Creamish.
Odour :	Product Specific
Changes in physical state :	Not determined
Flash Point :	None.
Specific Gravity : .	N/A
Solubility in water (10%) :	Complete.
pH value :	N/A.
Molecular weight :	N/A.
Other :	N/A.

## 10. Stability and reactivity

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Stability:

Stable under ordinary conditions of use and storage. Very hygroscopic. Can slowly react with carbon dioxide from air to form sodium carbonate.

Hazardous Decomposition Products:

Sodium oxide. Decomposition by reaction with certain metals releases flammable hydrogen gas.

Hazardous Polymerization:

Will not occur

Incompatibilities:

Sodium hydroxide in contact with acids and organic halogen compounds, especially trichloroethylene, may cause violent reactions. Contact with nitromethane and other similar nitro compounds causes formation of shock-sensitive salts. Contact with aluminum, magnesium, tin, and zinc cause formation of flammable hydrogen gas. Sodium hydroxide, even in fairly dilute solutions, reacts readily with various sugars to produce carbon monoxide. Precautions should be taken including monitoring the atmosphere for carbon monoxide to ensure safety of personnel before vessel entry.

Conditions to Avoid:

Moisture, dusting and incompatibles.

## 11. Toxicological information

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NTP Carcinogen

Ingredient	Known	Anticipated	IARC Category
Sodium Hydroxide (1310-73-2)	No	No	None

## 12. Ecological information

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**Environmental Fate:** No information found.

**Environmental Toxicity:** No information found

## 13. Disposal considerations

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**Recommended Disposal :** Waste material can be incinerated under conditions, which meet federal, state, and local regulations..

## 14. Transport information

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**CHEMICAL NAME :** CAUSTIC SODA

**U.N.NO:** 3262

**CLASS NO:** 8.0

**PACKING GROUP :** II

## 15. Regulatory information

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Risk Phrases:	Risk Phrases: R 35: Causes severe burns. R37 : Irritating to respiratory systems. R 52/53 : Harmful to aquatic organisms , may cause long term adverse effects in the aquatic environment.
Safety Phrases: S 22 :	Do not breathe dust. S 26: In case of contact with eyes , rinse immediately with plenty of water and seek medical advice. S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S 61:

## 16. Other information

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### **HMIG Rating**

**Health : 3**

**Flamm : 0**

**React : 2**

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