

1. Product and Company Identification

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Product Name : **Pet Coke Remover**
Product Type : **Cargo Hold cleaning detergent chemicals**

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA
<http://rxmarine.com/Pet-Coke-remover-ship-hold-cleaning-chemicals>

Stock Point : Kolkata, Mumbai, Chennai, Visakhapatnam, Gangavaram, Kandla, Fujairah, Muscat SOAHAR

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2. Composition / Information on ingredients

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Chemica Name	CAS #	% BY WEIGHT
NaOCl	7681-52-9	40-50
Butyl Cellosolve	111-76-2	20-30
Proprietary Surfactant	NA	40-50

3. Hazards Identification

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Eye	Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.
Skin	Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Additional symptoms of skin contact may include: skin blistering, hair loss, Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.
Swallowing	Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.
Inhalation	It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.
Target Organ Effects	This material (or a component) has been shown to lower activity of certain immune system cells in experimental animals. The significance of this effect with respect to human health is uncertain.
Developmental Information	There are no data available for assessing risk to the fetus from maternal exposure to this material.
Primary Route(s) of Entry	Inhalation, Skin contact, Eye contact.

4. First Aid Measures

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Eyes	If material gets into the eyes, immediately flush eyes gently with water while holding eyelids apart. If symptoms develop as a result, immediately move individual away from exposure and into fresh air. Seek immediate medical attention.
Skin	Immediately flush skin with water for at least 15 minutes. Remove contaminated clothing and shoes. Seek immediate medical attention. Wash contaminated shoes.
Swallowing	Seek immediate medical attention. Do not induce vomiting. Rinse mouth with water. Do not eat, drink, or use tobacco. If individual is conscious and alert, give milk or water to drink. If possible, do not leave individual alone.
Inhalation	If symptoms develop, immediately move individual away from exposure and seek immediate medical attention; keep person warm and dry. If breathing is difficult, begin artificial respiration. If breathing is difficult, administer oxygen. If breathing is difficult, administer oxygen.
Note to Physicians	Preexisting disorders of the following organs (or organ systems) may be aggravated by this material: skin, lung (for example, asthma-like conditions).

5. Fire-fighting Measures

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Flash Point	Not applicable
Explosive Limit	Not applicable
Autoignition Temperature	No data
Hazardous Products of Combustion	NA
Fire and Explosion Hazards	No special fire hazards are known to be associated with this material.
Extinguishing Media	Use an extinguishing media appropriate for surrounding fire.
Fire Fighting Instructions	Water may be used to keep fire-exposed containers cool. Firefighters should wear breathing apparatus with a full facepiece operated in the negative pressure mode, with appropriate turn-out gear and chemical resistant protective clothing. Refer to the personal protective equipment section of this MSDS.

6. Accidental Release Measures

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Small Spill	Dilute with water and absorb onto a noncombustible absorbent material.
Large Spill	Prevent run-off to sewers, streams or other bodies of water. Notify appropriate authorities as required, that a spill has occurred. Collect and remove spill. Persons not wearing protective equipment should be excluded from the spill area until completed. Stop spill at source. Dike to prevent spreading.

7. Handling and Storage

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Handling	Containers of this material may be hazardous when emptied or refilled. All hazardous product residues (vapor, liquid, and/or solid), all hazardous materials should be observed. Emergency eyewash fountains and safety showers should be in the immediate vicinity of potential exposure.
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8. Exposure controls and personal protection

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Eye Protection	Chemical splash goggles and face shield (8" min.) in the event of a spill are advised; however, OSHA regulations also permit other types of eye protection.
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Skin Protection	industrial hygienist.)
Respiratory Protections	Wear impervious gloves (consult your safety equipment supplier for impervious clothing and boots.. If overexposure has been determined or documented, a supplied respirator is advised in absence of proper environmental controls. Do not use other NIOSH/MSHA respirators under specified conditions. (Consult your supplier.) Engineering or administrative controls should be used to reduce the level of overexposure (from known, suspected or apparent level of overexposure).
Engineering Controls	Provide sufficient mechanical (general and/or local exhaust ventilation) to reduce the level of overexposure (from known, suspected or apparent level of overexposure).
Exposure Guidelines	Component

9. Physical and chemical properties

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Boiling Point	(for component) 212.0 F (100.0 C)
Vapor Pressure	(for component) 17.500 mmHg
Specific Vapor Density	No data
Specific Gravity	1.220 - 1.250 @ 68.00 F
Liquid Density	10.400 lbs/gal @ 68.00 F 1.250 kg/l @ 20.00 C
Percent Volatiles	87.5%
Evaporation Rate	SLOWER THAN ETHYL ETHER
Appearance	No data
State	LIQUID
Physical Form	HOMOGENEOUS SOLUTION
Color	CLEAR TO YELLOW LIQUID
Odor	CHLORINATED
pH	11.5-12.50
Solubility in Water	SOLUBLE

10. Stability and reactivity

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Hazardous Polymerization	Product will not undergo hazardous polymerization. - This article is considered stable under normal conditions - Avoid overheating, Keep away from frost - Incompatible with acid - See Section 5
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11. Toxicological information

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Toxicological information	No experimental data available.
Inhalation	Can cause damage to the respiratory system.
Contact with skin	Causes burns (R35).
Contact with eyes	Causes burns (R35).
Ingestion	The ingestion of significant quantities may cause burning sensation. The ingestion of significant quantities may cause damage to the digestive system.
Carcinogenicity	No evidence of carcinogenic effects.

12. Ecological information

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Ecotoxicity

"In general, this cleaning agent main ingredients will either dissolve rapidly and dissociate in water or are biodegradable." and Pollution Hazards approved this product for use as tank / hold cleaning agent by chemical tankers

Mobility

Completely soluble in water

Persistence and Biodegradability

Its main ingredients will either dissolve rapidly and dissociate in water or are readily / inherently biodegradable.

Bioaccumulation Potential

Bioaccumulation of the components in this product is insignificant.

Other Adverse Effects

No environmental problems are expected when the product is used / handled correctly.

13. Disposal considerations

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Waste Management Information

Classification

Disposal considerations

14. Transport information

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DOT Information

49 CFR 172.101

DOT Description:

Mixture HYPOCHLORITE
SOLUTIONS,8,UN1791,III

Container/Mode:

25 LTRS

NOS Component:

Not applicable

RQ (Reportable Quantity)

- 49 CFR 172.101

Product Quantity (lbs)

Component

15. Regulatory information

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Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

Australian Hazchem Code: None allocated.

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR

16. Other information

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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