

1. Product and Company Identification

www.rxmarine.com

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

Phone : +91 22 27815542 / 41
Fax : +91 22 2781 1318 :::AOH :0091 9821214367
Email : mail@rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

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

www.rxmarine.com

Eye	Can cause permanent eye injury. Symptoms include stinging, tearing, and swelling of eyes. Can injure the cornea and cause blindness.
Skin	Can cause permanent skin damage. Symptoms may include redness, swelling of skin, burns, and other skin damage. Additional symptoms may include: skin blistering, hair loss, Passage of this material into the skin is possible, but it is unlikely that this would result in harmful effects with safe handling and use.
Swallowing	Swallowing this material may be harmful or fatal. Symptoms may include stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and irritation of the mouth, throat, and digestive tract. Low blood pressure and shock may result of severe tissue injury.
Inhalation	It is possible to breathe this material under certain conditions of handling (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 system cells in experimental animals. The significance of this effect on 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

www.rxmarine.com

Eyes	If material gets into the eyes, immediately flush eyes gently with water.
------	---

	minutes while holding eyelids apart. If symptoms develop as a result of exposure, immediately move individual away from exposure and into fresh air by the means recommended above. Seek immediate medical attention.
Skin	Immediately flush skin with water for at least 15 minutes. Remove and discard contaminated clothing and shoes. Seek immediate medical attention. Do not reuse and discard contaminated shoes.
Swallowing	Seek immediate medical attention. Do not induce vomiting. Vomiting may cause further damage to the mouth and throat. If individual is conscious, immediately rinse mouth with water and give milk or water to drink. Do not leave individual unattended.
Inhalation	If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If breathing is difficult, begin artificial respiration. If breathing is difficult, administer oxygen. Do not leave individual unattended.
Note to Physicians	Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), and the nervous system.

5. Fire-fighting Measures

www.rxmarine.com

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 product.
Extinguishing Media	Use an extinguishing media appropriate for surrounding fire..
Fire Fighting Instructions	Water may be used to keep fire-exposed containers cool until fire is out. Fire-fighters should wear a self-contained breathing apparatus with a full facepiece operated in the pressure demand mode with appropriate turn-out gear and chemical resistant protective equipment. Refer to the personal protective equipment section of the MSDS.

6. Accidental Release Measures

www.rxmarine.com

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. If run-off to water is unavoidable, proper authorities as required, that a spill has occurred. Collect and contain spill. Use large volume of water. Persons not wearing protective equipment should be kept away from area of spill until clean-up is completed. Stop spill at source. Prevent further spreading. Pump to salvage tank.

7. Handling and Storage

www.rxmarine.com

Handling	Containers of this material may be hazardous when emptied. Since empty containers may retain product residues (vapor, liquid, and/or solid), all hazard precautions and instructions on this data sheet must be observed. Emergency eyewash fountains and showers should be available in the immediate vicinity of potential exposure.
----------	--

8. Exposure controls and personal protection

www.rxmarine.com

Eye Protection	Chemical splash goggles and face shield (8" min.) in compliance with OSHA regulations are advised; however, OSHA regulations also permit safety glasses. (Consult your industrial hygienist.)
----------------	---

Skin Protection	Wear impervious gloves (consult your safety equipment supplier). contact, wear impervious clothing and boots..
Respiratory Protections	If overexposure has been determined or documented, a NIOSH/ approved air supplied respirator is advised in absence of proper control. OSHA regulations also permit other NIOSH/MSHA r specified conditions. (See your safety equipment supplier.) administrative controls should be implemented to reduce exposure.
Engineering Controls	Provide sufficient mechanical (general and/or local exhaust) ventila exposure below level of overexposure (from known, suspected or a effects).
Exposure Guidelines	Component

9. Physical and chemical properties

www.rxmarine.com

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

www.rxmarine.com

Hazardous Polymerization	Product will not undergo hazardous polymerization. <ul style="list-style-type: none"> - This article is considered stable under normal conditions - Avoid overheating, Keep away from frost - Incompatible with acid - See Section 5
--------------------------	---

11. Toxicological information

www.rxmarine.com

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 digestive system.
Carcinogenicity	No evidence of carcinogenic effects.

12. Ecological information

www.rxmarine.com

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

www.rxmarine.com

Waste Management Information	Classification Disposal considerations
------------------------------	---

14. Transport information

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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.

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.