Material Safety Data Sheet

RESIN CLEAN (RXSOL-20-2009-020)

1. Product and Company Identifaction

Product Name	Resin Cleaner
Product Type	RXSOL-20-2009-020

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999 / 27815540
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Gammna Butyrolactone	50-75%	96-48-0	202-509-5	22	Xn
3 -Butoxypropan-2-ol	10-25%	5131-66-8	225-878-4	36,38	Xi
Alcohol Ethoxylates C9-C11	2-5%	68439-43-3	Polymer	41	Xi
Non Ionic Surfactant	5-15	Proprietory	.....		

3. Hazards Identification

T

Odour	Solvent
Appearance	Liquid
Contact with eyes	Risk of serious damage to eyes (R41).
Contact with skin	Repeated exposure may cause skin dryness or cracking (R66), Mildly irritating to skin.
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract.

Ingestion	The ingestion of significant quantities may cause gastro-intestinal disturbances.

4. First Aid Measures

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.Seek medical advice
Ingestion	Never give anything by mouth to an unconscious person.Give plenty of water to drink Seek medical advice if necessary
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract Remove patient to fresh air
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5. Fire-fighting Measures

Eaxbltein egxutiisnhgiunigs hminegd iaagents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special hazards arising from the substance or mixture: No further relevant information available.
Protective Equipment : No Special Measure Required.
Additional Information : Cool endangered receptacles with water spray.
.

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8.
Environmental Precautions	No special precautions are required for this product. Do not allow to enter sewers/ surface or ground water.
Immediate Actions	Shut off source of leak if safe to do so and absorve liquid by Absorving Pad
Clean Up Actions	Absorb spillage in suitable inert material.
	Flush spill area with copious amounts of water with detergent
Special Precautions	Wear protective clothing as per section.

7. Handling and Storage

Handling	The usual precautions for handling chemicals should be observed Eyewash bottles should be available. Wear Ptotecctive Hand Gloves

Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49) Protect from frost

8. Exposure controls and personal protection

Occupational exposure limits
Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.

Country/Source	Substance (S)	Category	PPM	mg/m3
Austria	Sodium Hydroxide (inhalable fraction)	MAK		2
Belgium	Sodium Hydroxide	MAK CEIL		4
Bulgaria	Sodium Hydroxide	TWA		2
Denmark	Sodium Hydroxide	TWA		2
Finland	Sodium Hydroxide	LOFT		2
France	Sodium Hydroxide	HETKELL		2
Ireland	Sodium Hydroxide	VME		2
Italy	Sodium Hydroxide	STEL		2
Norway	Sodium Hydroxide	Ceiling		2
Spain	Sodium Hydroxide	CEIL		2
Sweden	Sodium Hydroxide (inhalable dust)	VLA-EC		1
Switzerland	Sodium Hydroxide (inhalable dust)	NGV TGV		2
United Kingdom	Sodium Hydroxide	STEL		2
Poland	Sodium Hydroxide	TWA		2
Hungary	Sodium Hydroxide	STEL		2
Latvia	Sodium Hydroxide	STEL		0.5
Czech Republic	Sodium Hydroxide	MAC-NDS		1
Croatia	Sodium Hydroxide	MAC-NDSC		2
Romania	Sodium Hydroxide NaOH	H		2
Russian Federation	Sodium Hydroxide as NaOH (Aersol	AK		0.5
Seerbia	Sodium Hydroxide as NaOH	CK		1
Slovakiya	Sodium Hydroxide	TWA		2
Slovania	Sodium Hydroxide (inhalable fraction)	PEL		2

* A skin notation refers to the potential significant contribution to overall exposure by the cutaneous route, incl. mucous membranes and the eyes.

Monitoring measures
-A small volume of air is drawn through an absorbant or barrier to trap the substance(s) which can then be desorbed or removed and analyzed as referenced below:

Substance (S)	Method	Analysis	Absorbant
Sodium Hydroxide	US NIOSH : 7401	Titration	PTFE filter

Engineering measures
-General ventilation is recommended.
Personal protection:
General advise
-The use and choice of personal protection equipment is related to the hazard of the product, the workplace and the way the product is handled. In general, we recommend as a minimum precaution that safety glasses with side-shields and workclothes protecting arms, legs and body be used. In addition any person visiting an area where this product is handled should at least wear safety glasses with side-shields. The applicable European standard can be found in EN 166.
Respiratory protection
-Where concentrations in air may exceed the limits given in this section, the use of a half face filter mask or air supplied breathing apparatus is recommended. A suitable filter material depends on the amount and type of chemicals being handled. Consider the use of filter type: P The applicable European standard can be found in EN
140, EN 137, EN 143 and EN 14387. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
Hand protection
-When handling this product, the use of chemical gauntlets is recommended. The choice of work glove depends on work conditions and what chemicals are handled, but we have positive experience under light handling conditions using gloves made from PVC . Gloves should be replaced immediately if signs of degradation are observed.
Breakthrough time not determined as preparation, consult PPE manufacturers. The applicable European standard can be found in EN 374.
Skin protection
-When handling this product, the use of overalls, a chemical resistant apron and rubber boots is recommended. A full slicker suit is recommended if gross exposure is possible. The applicable European standard can be found in EN ISO 20345.
Eye protection
When handling this product, the use of splash chemical goggles is recommended. The applicable European standard can be found in EN 166.
Hygiene recommendations
Use good work and personal hygiene practices to avoid exposure. Keep an eye wash fountain available. Keep a safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area.
Launder contaminated clothing before reuse. Always wash thoroughly after handling chemicals. When handling this product never eat, drink or smoke.

9. Physical and chemical properties

Physical state
-Viscous liquid
Appearance
-Translucent
Odor
-Amine
Flash point
> 200°F / > 93.2 °C
Specific gravity
1,04 (25°C)
Solubility (in water)
Complete
pH (100%)
12.4
Note: These physical properties are typical values for this product and are subject to change.

10. Stability and reactivity

Stability
-Stable under normal conditions.
Hazardous polymerization
-Hazardous polymerization will not occur.
Conditions to avoid

-Avoid extremes of temperature
Materials to avoid
-Acids, Contact with strong acids (e.g. sulfuric, phosphoric, nitric, hydrochloric, chromic, sulfonic) may generate heat, splattering or boiling and toxic vapors.
Hazardous decomposition products
-Under fire conditions: Oxides of carbon, Oxides of sulfur

11. Toxicological information

No toxicity studies have been conducted on this product
Sensitization
-This product is not expected to be a sensitizer.
Carcinogenicity
-None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).
For additional information on the hazard of the preparation, please consult section 3 and 12.

12. Ecological information

No toxicity studies have been conducted on this product
Bioaccumulation potential
-This preparation or material is not expected to bioaccumulate

13. Disposal considerations

If this preparation becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Use only authorized contractors. Ensure compliance with EC, national and local regulations. Dispose of wastes in an approved incinerator or waste treatment/disposal site, in accordance with all applicable regulations. Do not dispose of wastes in local sewer or with normal garbage. This product is ashless and can be burned directly in appropriate equipment. Any chemical waste is a potential environmental pollutant and is NOT suitable for disposal via ground, municipal sewers, drains, natural streams or rivers. Empty drums should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor.
Europe waste code
-16 03 03* - OFF SPECIFICATION BATCHES AND UNUSED PRODUCTS - Inorganic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code.
National regulations Czech Republic
-Valid and applicable waste legislation in the Czech Republic: Waste Act (No. 185/2001 Coll.), Packaging Act (No. 477/2001 Coll.) and the Decree of the Ministry of the Environment on the Catalogue of Wastes (No. 381/2001 Coll.), as amended

14. Transport information

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation. Typical Proper Shipping Names for this product are as follows.
Land transport
Proper shipping name
-CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Technical name(s)
-Sodium Hydroxide
UN/ID no.
-UN 3266
Hazard Class – Primary
-Primary : 8
Packing group
-III
ADR/RID H.I.n
-80
Classification code
-C5
Air transport (ICAO/IATA)
Proper shipping name
-CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Technical name(s)
-Sodium Hydroxide
UN/ID no.
-UN3266
Hazard Class – Primary 8
Packing group III

IATA Cargo Packing Instructions 820
IATA Cargo Aircraft Limit
-60 L (max. net quantity per package)
IATA Passenger Packing Instructions
-Y818 / 818
IATA Passenger Aircraft Limit
1 L / 5 L

Marine transport (IMDG/IMO)
Proper shipping name
-CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Technical name(s)
-Sodium Hydroxide
UN/ID no.
UN3266
Hazard Class – Primary 8
Packing group III
Other Applicable information
CEFIC Tremcard reference 80GC5-II+III
Emergency action code 2X

15. Regulatory information

Classification and labeling
-GOVERNING DIRECTIVE(S): Dangerous Substances Directive 67/548/EEC and Dangerous Preparations Directive 1999/45/EC.
Hazard symbols
-Irritant
Risk phrases
-R36/38 - Irritating to eyes and skin.
Safety phrases
S24/25 - Avoid contact with skin and eyes.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of water.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
National regulations Czech Republic
This preparation is classified as per Act on Chemical Substances and Chemical Preparations (No. 356/2003 Coll.)
This Safety Data Sheet is drawn up as per Act No. 356/2003 Coll. and per Act 371/2008 Coll. Occupational exposure limits for the Czech Republic in section 8 are given as per Government's Regulation No.
178/2001 Coll. laying down conditions of health protection of employees at work.
International chemical control laws
-The substance(s) in this preparation are included in or exempted from the EINECS or ELINCS inventoriesThe surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.Safety Data Sheet according to Regulation (EC) No 1907/2006.Drema is committed to and fully supports the Registration, Evaluation, Authorization and restriction of chemicals(REACH) regulation. It is our intention to pre-register all chemical substances that we manufacture or import into
European Union and to work with our suppliers to ensure a smooth transition to this new regulatory environment.MATERIAL SAFETY DATASHEETDREMACHEM HPPAGE 8 OF 8
United States
-The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)
Canada
-The substance(s) in this preparation are included in or exempted from the Domestic Substance List (DSL).

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.