Material Safety Data Sheet

ORG Boll clean 2000 (RXSOL-16-1665-025)

1. Product and Company Identifaction

Product Name	: ORG Boll clean 2000
Part Number	: RXSOL-16-1665-025

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

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2. Composition / informationon ingredients

Name of Substance	Cas Number	EC No	Wt.%	Symbol
2,2-iminodiethanol	111-42-2	203-868-0	2 -5 %	Xi
Alcohols, C12-14, ethoxylated, propoxylated	68439-51-0	Polymer	2 -5 %	Xn
2-Propylheptanolethoxylat (6-10 EO)	60875-66-1	Polymer	2 - 5 %	Xn
Boric Acid	10043-35-3	233-139-2	2 -5 %	Xn
Non Ionic Surfactant	Proprietory	------	5 - 10%	

3. Hazards Identification

Signal Word	Warning
Hazard Statements	H319 Causes serious eye irritation.
Precautionary statements - prevention	P264 Wash thoroughly after handling. P280 Wear eye protection / face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary statements - Response	Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician Storage: Store locked up. Store in a well-ventilated place. Keep cool. Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

4. First Aid Measures

Eye Contact	Get medical attention immediately. Call a poison center or physician. Immediately flush the eye(s) continuously with lukewarm, gently flowing water for at least 20-60 minutes while holding the eyelid(s) open. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician
Skin Contact	Get medical attention immediately. Call a poison center or physician. Wash affected area with soap and mild detergent for at least 20 - 60 minutes. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
Ingestion:	Call a poison center or physician. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway
Note to Physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

5. Fire-fighting Measures

Flammability	Non Flammable
Suitable extinguishing media	Use dry chemical, CO?, alcohol-resistant foam or water spray (fog).
Unsuitable extinguishing media	Not Applicable
Protective Equipment	Wear suitable fire fightin suit.
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion
Hazardous thermal decomposition products	Carbon dioxide,carbon monoxide.
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathingapparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment and keep unprotected persons away.
Enviromental Precaution	Dilute with much water.Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods and materials for containment and cleaning up	Stop leak if without risk. Move containers from spill area.Dispose of via a licensed waste disposal contractor.Stop leak if without risk. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).Dispose of contaminated material as waste according to item 13.
Reference to other sections	No dangerous materials are released.

7. Handling and Storage

Advice on safe handling	The usual good standards of industrial hygiene should be maintained. Information about protection against explosions and fires: No special measures required.
Storage	Storage Keep containers tightly closed. Store in cool, dry conditions. Requirements to be met by storerooms and containers: No special requirements. Information about storage in one common storage facility: Not required. Further information about storage conditions: None.
Specific end use(s)	No further relevant information available.

8. Exposure controls and personal protection

Engineering Controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment
	The usual precautionary measures should be adhered to in handling the chemicals. Gases, fumes and aerosols should not be inhaled. Keep away from food, beverages and fodder. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes.
Exposure controls	Breathing equipment: Not required.
Personal protective equipment	Protection of hands:
General protective and hygienic measures	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Safety glasses Body protection: Protective work clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.



Gloves



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9. Physical and chemical properties

Physical State	Liquid
Colour	Clear
Odour	Characteristic
Odor threshold	Not Available
pH	10
Boiling Point	Not Available
Initial Boiling Point	100°C
Freezing Point/ Melting Point	Not Available
Flash Point	This product is non Flammable
Evaporation rate	Not Applicble
Flammability (solid, gas)	Non Flammable
Upper explosion limit	No data available
Lower explosion limit	No data available
Explosive properties	No data available
Vapor pressure	23.1 hPa
Vapor density	No information available
Relative density	No DatAvaillable
Density	1.02 - 1.05
Water solubility	100% Souble
Partition coefficient: octanol	No data available

Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Dynamic viscosity	No data available
VOC (%)	No data available
Pour point	No information available

10. Stability and reactivity

Recativity	No specific test data related to reactivity available for this product or its ingredients.
Stability	Stable under normal conditions and recommended use.
Possibility of hazardous reactions	Under normal conditions of storage and use, No dangerous reactions known
Incompatible materials	strong oxidizing agents
Hazardous Decomposition	Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.
Condition to Avoid	No further relevant information available.
Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

Information on toxicological effects	Acute toxicity Based on available data, the classification criteria are not met. Primary irritant effect:
Primary irritant effect:	Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/irritation	No applicable toxicity data
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
CMR effects	No applicable toxicity data
Teratogenicity	No applicable toxicity data
Specific target organ toxicity (single exposure)	No applicable toxicity data
Specific target organ toxicity (repeated exposure)	No applicable toxicity data
Aspiration hazard	No data Availabe
Information on the likely routes of exposure	Routes of entry anticipated: Dermal, Inhalation.
Potential acute health effects	
Eye contact :	Causes serious eye damage.
Inhalation :	Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact :	Causes severe burns. Harmful in contact with skin.
Ingestion :	Can cause central nervous system (CNS) depression.
Potential chronic health effects	
General :	May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity :	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity :	No known significant effects or critical hazards.

Teratogenicity :	No known significant effects or critical hazards.
Developmental effects :	No known significant effects or critical hazards.
Fertility effects :	No known significant effects or critical hazards.
Acute toxicity estimates	No known significant effects or critical hazards.

12. Ecological information

Aquatic toxicity:	No further relevant information available.
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Bioaccumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.
Results of PBT and vPvB assessment	Not classified as PBT/vPvB by current EU criteria.
Other adverse effects	No further relevant information available.

13. Disposal considerations

Remarks	A used product should be recycled or used in other contexts, otherwise be handed over to an appropriatedisposal site. Waste disposal key number: Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.
Waste Disposal	After complete emptying and cleaning, send to be reconditioned or recycled. Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging. Other containers: After complete emptying and cleaning, send to be reconditioned or recycled. Recommended cleaning agent: Water, if necessary with cleaning agent.

14. Transport information

Transport hazard class(es)

	DOT	TDG Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Proper shipping name	Universal Cleaning Agent	Universal Cleaning Agent	Universal Cleaning Agent	Universal Cleaning Agent
Transport hazard class(es)	NA	NA	NA	NA
Packing Group	NA	NA	NA	NA
Environmental hazards	NO	NO	NO	NO

Additional information

ADR/RID	Not dangerous according to the above specifications.
TDG Classification	Not dangerous according to the above specifications.
IATA	Not dangerous according to the above specifications.
Special precautions for user	Not dangerous according to the above specifications.
Environmental hazards	
Environmental hazards	No
Marine pollutant	No

15. Regulatory information

Federal Regulations	15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture TSCA (Toxic Substances Control Act) All ingredients are listed. Canadian Domestic Substances List (DSL) All ingredients are listed. Philippines Inventory of Chemicals and Chemical Substances All ingredients are listed. Chinese Chemical Inventory of Existing Chemical Substances All ingredients are listed. Australian Inventory of Chemical Substances All ingredients are listed. Korean Existing Chemical Inventory CAS: 111-42-2 2,2'-iminodiethanol KE-20959 CAS: 68439-51-0 Alcohols, C12-14, ethoxylated, propoxylated KE-13425 CAS: 160875-66-1 2-Propylheptanolethoxylat (6-10 EO) Ja CAS: 10043-35-3 boric acid KE-03499 New Zealand Inventory of Chemicals All ingredients are listed. Existing Chemical Substances (Japan) CAS: 111-42-2 2,2'-iminodiethanol 2-354 CAS: 68439-51-0 Alcohols, C12-14, ethoxylated, propoxylated CAS: 160875-66-1 2-Propylheptanolethoxylat (6-10 EO)
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.
Relevant phrases	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H360FD May damage fertility. May damage the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if RX Marine International has been advised of the possibility of such damages. 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.