

# MATERIAL SAFETY DATA SHEET

PRODUCT		“CON-TROL” <sup>®</sup> BLEACH-1011			
MANUFACTURED BY		Richards Pharma-Lab Ltd.			
1.	<b>CORPORATE OFFICE AND WORKS</b>	<b>Works:</b> U-66, M.I.D.C., Hingna Road, NAGPUR-440 016, (M.S.), INDIA Ph No : +91-07104-645363/235533 <b>E-mail:</b> <a href="mailto:works@con-trol.com">works@con-trol.com</a> & <a href="mailto:sunil@con-trol.com">sunil@con-trol.com</a> <b>Regd Office:</b> Ph No: +91-022-66156624. Fax:+ 91-22- 66156620 <b>E-mail:</b> <a href="mailto:info@con-trol.com">info@con-trol.com</a> <b>Web site:</b> <a href="http://www.con-trol.com">www.con-trol.com</a>			
2	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>	Molecular Weight: 76.12 Chemical Formula: (NH <sub>12</sub> ) <sub>2</sub> .CS Reductive bleaching containing thiurea and ferrous sulphate			
		<b>H.S. Code</b> 3402.90.91 CAS No. N.D.	<b>% By Weight</b>  100	<b>Symbol</b> 1011	<b>R Phrases</b> N.D
3	<b>HAZARDOUS IDENTIFICATION</b>	Warning: Harmful if swallowed or inhaled. Causes irritation to skin, eyes. May cause allergic skin reaction. <b>Potential Acute Health Effects:</b> Hazardous in case of skin contacts (Irritant, may cause allergic inflammation), of Eye contacts (Irritant), of ingestion, of inhalation (Lung, respiratory track Irritant). Aggravation of Pre-existing Conditions: Persons with pre existing skin disorders are more susceptible to these substances. <b>Potential Chronic Health Effects:</b> Carcinogenic Effects: Non Carcinogenic, Mutagenic Effect: Non Mutagenic, Teratogenic Effect: NA, Repeated or prolonged exposure to the substance can produce target organ damage.			
4	<b>FIRST AID MEASURE</b>				
	(i) Inhalation	The affected person should be moved to fresh air and made to rest. If not breathing, give artificial respiration. If breathing is difficult give Oxygen. Get medical attention.			
	(ii) Skin contact	Wash with plenty of water and soap. Then apply anti irritant lotion over affected area.			
	(iii) Serious Skin Contact	Remove Contaminated Clothing. Wash Clothing before reuse. Seek medical attention if needed.			
	(iv) Eye contact	Check for and remove any contact lenses. In case of contact, Flush eyes immediately with plenty of clean water or an eye wash solution for 10 minutes. Seek medical attention immediately.			
	(v) Ingestion	Do not induce vomiting unless directed to do so by a medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Seek medical attention.			
	(vi) Serious Ingestion	NA			
	(vii) Further Medical Treatment	Take professional medical advice.			
5	<b>FIRE FIGHTING MEASURE</b>				
	Flammability of product	As with most organic solids, fire is possible at elevated temperatures or contact with an ignition source.			
	(i) Extinguishing Media	Water, dry chemical, foam, CO <sub>2</sub>			
	(ii) Fire Fighting Protective Equipment	Suitable respiratory protection			

6	<b>ACCIDENTAL RELEASE MEASURES</b>	Remove all sources of ignition. Absorb onto sand, saw dust or earth and sweep up. Clean by spreading water on the contaminated surface and dispose according to local and regional authority requirements.			
7	<b>HANDLING AND STORAGE</b> (ii) Handling  (ii) Storage	Protect against physical damage. Wash hands, face, forearms when exiting restricted area. Wash clothes at the end of the day. Do not eat, smoke, drink in the workplace. Use personal protective equipments while handling. Keep away from incompatibles.  To be stored under closed HDPE containers in a cool, ventilated and dry place. Keep away from oxidizing material. Exposure to the direct sunlight should be avoided.			
8	<b>EXPOSURE CONTROL / PERSONAL PROTECTION</b>	<b>Ventilated System:</b> General exhaust is recommended to keep employee exposures as low as possible. <b>Personal Protection:</b> <b>(i) Respirators :</b> N.A. <b>(ii) Gloves :</b> Yes <b>(iii) Eye protection :</b> Yes <b>(iv) others :</b> As required			
09	<b>PHYSICAL &amp; CHEMICAL PROPERTIES</b>  <b>Chemical Description:</b>	Appearance : White crystals Odor : Odorless pH (value) : N.D. Density : 1.41 % Volatiles by volume @217° C : 0 Boiling Point (° C) : 150°C Melting Point (° C) : 127°C Explosive Properties : NA Solubility (water) : Soluble in 11 parts of water Fire Point (° C) : NA Vapor Density (Air=1) : N.D. Vapor Pressure (mm Hg) : N.D. Evaporation Rate (BuAc=1) : N.D. Decomposition Temp : N.D.			
10	<b>STABILITY AND REACTIVITY</b>  (i) Hazardous Reactions products (ii) Hazardous Decomposition Products (iii) Shelf Life	<b>Stability:</b> Stable under ordinary conditions of use & storage. <b>Hazardous Polymerization:</b> May occur when in contact with acrylaldehyde. <b>Incompatibilities:</b> Acrolein, acrylaldehyde, nitric acid & oxidizing agents.  Polymers Water vapor, SO <sub>2</sub> Vapors. Long Stable			
11	<b>TOXICOLOGICAL INFORMATION</b>	<b>(i) Inhalation</b> <b>(iii) Eye contact</b> <b>(v) long term exposure</b>	NA Irritant, redness, Watering May affect targeted organ	<b>(ii) Skin Contact</b> <b>(iv) ingestion</b>	Harmless when diluted. N.D
		When Used, Handelled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.			

12	<b>ECOLOGICAL INFORMATION</b> (i) Environmental Fate and Distribution (ii) Persistence and Degradation	N.D <ul style="list-style-type: none"> <li>• When released on soil: Biodegrade able to moderate extent.</li> <li>• When released in water, it is not expected to biodegrade.</li> <li>• When released in the air, it may be removed from the atmosphere to a moderate extent by wet deposition.</li> </ul>			
13	<b>DISPOSAL CONSIDERATION</b>	Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and should be disposed in waste management facility. Can be disposed by mixing with water. However Dispose in accordance with federal, state, local environmental control regulations.			
14	<b>TRANSPORT INFORMATION</b>	Proper Information: TOXIC ORGANIC SOLID			
15	<b>REGULATORY INFORMATION</b>	<b>(i) EEC Classification</b>  <b>(iii) Risk Phrases</b>	Harmful  None required	<b>(ii) Hazardous Symbol</b>  <b>(iv) Safety Phrases</b>	None  Fatal if Swallowed
16	<b>Other Information</b>	(i) Referances : N.A. (ii) Other Special Considerations : N.A.  Last Updated : 24/05/2013  The information and recommendation in this publication are to the best of our knowledge, information and belief accurate at the time of publication. However we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liabilities resulting from its use In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose. In no events shall <i>Richards Pharma Lab Ltd</i> be liable for any claims, losses, or damages of any third party or for lost profit or any special indirect, incidental, consequential or exemplary damages, howsoever arising, even if <i>Richards Pharma Lab Ltd</i> has been advised of the possibility of such damages. All sales of these products shall be subject to Nagpur Jurisdiction and standard conditions of sale.			