

## MATERIAL SAFETY DATA SHEET

<b>PRODUCT</b>		<b>“CON-TROL”<sup>®</sup> DS-2001</b>											
<b>MANUFACTURED BY</b>		<b>Richards Pharma-Lab Ltd.</b>											
<b>1.</b>	<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>											
<b>2</b>	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>	Reaction with amines and acids to form amine based polymer. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">H.S. Code 3909.30.90</th> <th style="text-align: center;">% By Weight</th> <th style="text-align: center;">Symbol</th> <th style="text-align: center;">R Phrases</th> </tr> </thead> <tbody> <tr> <td>CAS No. N.D.</td> <td style="text-align: center;">100</td> <td style="text-align: center;">DS-2001</td> <td style="text-align: center;">N.D</td> </tr> </tbody> </table>				H.S. Code 3909.30.90	% By Weight	Symbol	R Phrases	CAS No. N.D.	100	DS-2001	N.D
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<b>3</b>	<b>HAZARDOUS IDENTIFICATION</b>	<b>Potential Acute Health Effects:</b> Hazardous in case of skin contacts (Stickyness & Slight Itching), of Eye contacts (Irritant), of ingestion, of inhalation (Lung Irritant). <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.											
<b>4</b>	<b>FIRST AID MEASURE</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; vertical-align: top;">                     (i) Inhalation                       (ii) Skin contact                       (iii) Serious Skin Contact                       (iv) Eye contact                       (v) Ingestion                       (vi) Serious Ingestion                       (vii) Further Medical Treatment                 </td> <td style="vertical-align: top;">                     The affected person should be moved to fresh air and made to rest. Treat symptomatically.                       Wash with plenty of water to wash out stickiness and apply emollient on irritated skin.                       Remove Contaminated Clothing. Wash Clothing before reuse. Seek medical attention if needed.                       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 if needed.                       Rinse mouth with water thoroughly then drink water 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 if needed.                       NA                       Take professional medical advice if required.                 </td> </tr> </table>				(i) Inhalation  (ii) Skin contact  (iii) Serious Skin Contact  (iv) Eye contact  (v) Ingestion  (vi) Serious Ingestion  (vii) Further Medical Treatment	The affected person should be moved to fresh air and made to rest. Treat symptomatically.  Wash with plenty of water to wash out stickiness and apply emollient on irritated skin.  Remove Contaminated Clothing. Wash Clothing before reuse. Seek medical attention if needed.  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 if needed.  Rinse mouth with water thoroughly then drink water 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 if needed.  NA  Take professional medical advice if required.						
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<b>5</b>	<b>FIRE FIGHTING MEASURE</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; vertical-align: top;">                     Flammability of product                      In case If ignited in contact with flammables;                      (i) Extinguishing Media                      (ii) Fire Fighting Protective Equipment                 </td> <td style="vertical-align: top;">                     Non Inflammable                       Water, dry chemical, foam, CO2                      Suitable respiratory protection                 </td> </tr> </table>				Flammability of product In case If ignited in contact with flammables; (i) Extinguishing Media (ii) Fire Fighting Protective Equipment	Non Inflammable  Water, dry chemical, foam, CO2 Suitable respiratory protection						
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6	<b>ACCIDENTAL RELEASE MEASURES</b>	Absorb onto sand, saw dust or earth and sweep up. Remove to safe area. 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	Use personal protective equipments while handling. Keep away from incompatibles like acids.  To be stored under closed containers in a cool place. Exposure to the direct sunlight should be avoided.		
8	<b>EXPOSURE CONTROL / PERSONAL PROTECTION</b>	No effect on exposure <b>Personal Protection:</b> <b>(i) Respirators :</b> Use in case of fire <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 : Reddish Liquid pH (value) 10% Solution : 9 ± 0.5 Ionic Nature : Anionic Boiling Point (° C) : 83°C Flash Point (° C) : >100° C Explosive Properties : N.D. Solubility (water) : Soluble Fire Point (° C) : NA Brookfield Viscosity : 140cps (25°C) Specific Gravity (at 20° C): N.D. Decomposition Temp : N.D. Solids : 10 ± 1%		
10	<b>STABILITY AND REACTIVITY</b>  (i) Hazardous Reactions products (ii) Hazardous Decomposition Products (iii) Shelf Life	Product is Stable  None Water vapor, Amines. Depolymerisation may occur Long Standing Life		
11	<b>TOXICOLOGICAL INFORMATION</b>	<b>(i) Inhalation</b> <b>(iii) Eye contact</b> <b>(v) long term exposure</b>	Slightly Irritant N.D  May affect targeted organ	<b>(ii) Skin Contact</b> <b>(iv) ingestion</b>  Irritant  May be harmful if swallowed, sore throat, abdominal pain, vomiting
		No significant health hazard when used for the purpose it is meant for. When Used, Handeled 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 (iii) Effect on Effluent Treatment (iv) Products of Biodegradation	N.D  Biodegradable. Not expected to be harmful to the aquatic environment. N.D Solid polymeric material may occur. Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.		
13	<b>DISPOSAL CONSIDERATION</b>	Can be disposed by mixing with water. However Dispose in accordance with federal, state, local environmental control regulations.		

14	<b>TRANSPORT INFORMATION</b>	Special Provision for transport: N.A.			
15	<b>REGULATORY INFORMATION</b>	<b>(i) EEC Classification</b>	Non Corrosive	<b>(ii) Hazardous Symbol</b>	None
		<b>(iii) Risk Phrases</b>	Harmful if swallowed	<b>(iv) Safety Phrases</b>	Avoid contact with eyes
16	<b>Other Information</b>	<p>(i) Referances : N.A.  (ii) Other Special Considerations : N.A.</p> <p>Last Updated : 24/05/2013</p> <p>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.</p>			