
 شركة الكيماويات المتحدة United Chemicals Co.	UNITED CHEMICALS COMPANY			 سيدكو SIDCO
	SAFETY DATA SHEET			
	SDS. No.: RD.SDS.107	Issue No.: 1.0	Issue Date: 21.04.2017	

1. PRODUCTS AND COMPANY SPECIFICATION		
Product Name MUFF COOLANT AND ANTIFREEZE		
Product Use Radiator coolant and antifreeze agent		
Supplier Saudi Industrial Detergents Co. (SIDCO) P.O Box 2571 2 nd Industrial City, Dammam, KSA 31461 Phone No +966 (13) 816-6777 Fax Number +966 (13) 812-1061		
2. COMPOSITION / INFORMATION ON INGREDIENTS		
Hazardous Ingredient	CAS No.	%
Mono Ethylene Glycol	107-21-1	40 - 45%
3. HAZARD IDENTIFICATION		
<ul style="list-style-type: none"> Harmful if swallowed Danger of organ damage through prolonged or repeated exposure 		
4. FIRST AID MEASURES		
Eyes : Immediately rinse eyes with plenty of water for at least 15 minutes. Obtain medical attention urgently.		
Skin : Remove contaminated clothing and flush with plenty of water.		
Ingestion : Rinse mouth and drink plenty of water. Keep person under observation. Get medical help if person becomes uncomfortable.		
Inhalation : Remove to fresh air. If irritation persists or there is any trouble breathing, seek medical attention.		
5. FIRE FIGHTING MEASURES		
Extinguishing Media : Foam, dry powder and carbon dioxide.		
Protective Equipment for Fire Fighting : Fire fighters require the necessary personal protective equipment for chemical fires.		
6. ACCIDENTAL RELEASE MEASURES		
Personal Precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak.		
Environmental Precautions: Prevent large spills from entering sewers or waterways.		
Spillages : Stop source of spill if it can be done without risk. Absorb with inert absorbent materials and place in suitable, covered and labelled containers for proper disposal.		
7. HANDLING AND STORAGE		
Handling : Avoid contact with eyes. When using, do not eat or drink.		
Storage : Store in a cool, dry and ventilated area. Keep container closed.		
8. EXPOSURE CONTROLS / PERSONAL PROTECTION		
Occupational Exposure Standards : Not established		
Eye Protection: Use appropriate eye protection when handling in large quantities		
Hand Protection: Wear impermeable gloves for prolonged exposure		
Skin and Body Protection: No special requirements under normal conditions		
Respiratory Protection: Not normally required under normal use conditions. Wear self-contained breathing apparatus during a spill or clean-up operations.		

Doc No.: RD-RDF-20	Issue No.: 1.1	Issue Date: 21.04.2017	Page 1 of 2
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9. PHYSICAL AND CHEMICAL PROPERTIES					
Appearance	Translucent to clear				
pH	7 – 8				
Specific Gravity @ 28°C	1.05 – 1.06				
Refractive Index	1.3726 - 1.3776				
Color	Fluorescent green				
Odor	Characterisitc				
Flash Point	N/A				
Flammability	N/A				
Auto-ignition Temperature	N/A				
Explosive Properties	N/A				
Water Solubility	Soluble				
10. STABILITY AND REACTIVITY					
Stability : Stable					
Conditions to Avoid : None					
Materials to Avoid : None					
Hazardous Decomposition Products : None					
11. TOXICOLOGICAL INFORMATION					
Not available					
12. ECOLOGICAL INFORMATION					
Persistence / Degradability : Ultimately biodegradable					
Bio-accumulation : Product is not expected to bioaccumulation					
Environmental Toxicity : Toxic to fish and other aquatic organisms					
13. DISPOSAL					
Product Disposal : Dispose of in accordance with all applicable local and national regulations.					
Container Disposal : Where possible, containers should be rinsed with clean water and dispose in line with local regulations					
14. TRANSPORT INFORMATION					
Land, Air, Sea:					
Class:	Not regulated				
UN Number:					
Packing Group:					
15. REGULATORY INFORMATION					
Risk Phrase(s) :	R22 Harmful if swallowed R48 Danger of organ damage through prolonged or repeated exposure				
Safety Phrase(s)	S2 Keep out of reach of children S13 Keep away from food, drink and animal feeding stuff				
16. OTHER INFORMATION					
HMIS RATING					
Health	<input type="text" value="1"/>	Flammability	<input type="text" value="0"/>	Reactivity	<input type="text" value="0"/>
<p>This material safety data sheet is additional to the technical data sheet but does not replace it. The information given herein, to the best of our knowledge, is correct and given in good faith. It relates to the product in the state in which it is delivered. This product is for the uses specified and should only be used for those purposes. Any other use may involve risks. The user will take sole responsibility for the precautions relating to the use of the product. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.</p> <p>SIDCO is a liquid detergent manufacturing plant under United Chemicals Co. (UCC)</p>					