
 شركة الكيماويات المتحدة United Chemicals Co.	UNITED CHEMICALS COMPANY			 سيدكو SIDCO
	SAFETY DATA SHEET			
	SDS. No.: RD.SDS.0249	Issue No.: 1.0	Issue Date: 03.07.2018	

1. PRODUCTS AND COMPANY SPECIFICATION		
Product Name		
Gento Professional - Rinse Aid		
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 (3) 812-1061		
2. COMPOSITION / INFORMATION ON THE COMPONENTS		
Chemical Name	CAS No.	Proportion, %
Formic Acid	641-18-6	25-35
Other ingredients not considered hazardous		65-75
3. HAZARD IDENTIFICATION		
According to Regulation (EC) No 1272/2008 [CLP] Acute Tox. 3 (Inhalation - vapour) Acute Tox. 4 (oral) Skin Corr./Irrit. 1B Eye Dam./Irrit. 1 H331, H302, H314		
4. ENVIRONMENTAL HAZARDS		
Do not discharge effluent containing this material due to toxicity to aquatic resources. Treatment is necessary before disposal		
5. FIRST AID MEASURES		
Eyes : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.		
Skin : Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist		
Ingestion: Do not induce vomiting. Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.		
Inhalation : Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.		
6. FIRE FIGHTING MEASURES		
Extinguishing Media: Suitable extinguishing media: water spray, dry powder, alcohol-resistant foam, carbon dioxide		
Protective Equipment for Fire Fighting: Wear self-contained breathing apparatus and chemical-protective clothing.		
7. ACCIDENTAL RELEASE MEASURES		
Personal Precautions: Breathing protection required. Avoid contact with the skin, eyes and clothing.		
Environmental Precautions: Do not empty into drains.		
Spillages: For large amounts: Pump off product. For residues: Pick up with suitable absorbent material (e.g. acid binder). Dispose of absorbed material in accordance with regulations.		
8. HANDLING AND STORAGE		
Handling : Ensure thorough ventilation of stores and work areas. Sealed containers should be protected against heat as these results in pressure build-up. Protection against fire and explosion: Sources of ignition should be kept well clear		
Storage : Segregate from alkalis and oxidizing substances. Suitable materials for containers: Stainless steel 1.4571, Stainless steel 1.4404, High density polyethylene (HDPE), Low density polyethylene (LDPE), glass Storage stability: Storage temperature: < 30 °C Storage duration: <= 36 Months From the data on storage duration in this safety data sheet no agreed statement regarding the warrantee of application properties can be deduced.		
9. EXPOSURE CONTROLS / PERSONAL PROTECTION		
Occupational Exposure Standards : TWA value 9 mg/m ³ ; 5 ppm (OEL (EU)) indicative		
Long-term exposure - systemic and local effects, Inhalation: 3 mg/m ³ worker: Short-term exposure - systemic and local effects, Inhalation: 19 mg/m ³		
Respiratory Protection : Suitable respiratory protection for lower concentrations or short-term effect: Gas filter for acid inorganic gases/vapours such as SO ₂ , HCl (e.g. EN 14387 Type E). Gas filter for gases/vapours of inorganic compounds (e.g. EN 14387 Type B) Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK). Suitable respiratory protection for higher concentrations or long-term effect: Self-contained breathing apparatus.		
Hand Protection : Chemical resistant protective gloves (EN 374) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): chloroprene rubber (CR) - 0.5 mm coating thickness butyl rubber (butyl) - 0.7 mm coating thickness Manufacturer's directions for use should be observed because of great diversity of type		
Eye Protection: Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.		

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10. PHYSICAL AND CHEMICAL PROPERTIES	
Active Content	Min 25%
Appearance	Clear, homogeneous liquid, free from any impurities and suspended matter
pH	1 - 3 @1% Solution
Specific Gravity @ 28°C	1.06 - 1.08
Viscosity @ 28°C	Not applicable
Color	Colorless to yellowish
Odor	Pungent
Flash Point	65 °C
Flammability	Combustible liquid
Auto-ignition Temperature	500 °C
Explosive Properties	Not applicable
Water Solubility	Soluble in water
11. STABILITY AND REACTIVITY	
Stability : Slow decomposition possible.	
Conditions to Avoid : Temperature: > 30 °C	
Materials to Avoid : Reacts with alkalis. Reacts with amines. Exothermic reaction	
Hazardous Decomposition Products : No hazardous reactions if stored and handled as prescribed/indicated. carbon monoxide	
12. TOXICOLOGICAL INFORMATION	
Not applicable	
13. ECOLOGICAL INFORMATION	
Persistence / Degradability : Biodegradable	
Bio-accumulation : Product is not expected to bioaccumulate	
Environmental Toxicity : Toxic to fish and other aquatic organisms	
14. 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	
15. TRANSPORT INFORMATION	
Air, Sea, Land: Class: UN Number: Packing Group:	Not Applicable
16. REGULATORY INFORMATION	
Risk Phrase(s) :	Skin Corr./Irrit. 1B Flam. Liq. 4 Eye Dam./Irrit. 1 Acute Tox. 4 (oral)
Safety Phrase(s):	Acute Tox. Acute toxicity Skin Corr./Irrit. Skin corrosion/irritation Eye Dam./Irrit. Serious eye damage/eye irritation Flam. Liq. Flammable liquids H331 Toxic if inhaled. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H226 Flammable liquid and vapour. EUH071 Corrosive to the respiratory tract
17. OTHER INFORMATION	
<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>	