





Safety Data Sheet

Red Label Hypochlorite

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY			
Product Name	Red Label Hypochlorite.		
Address / Phone Number	Delf (UK) Ltd Unit 2 Hickman Road Birkenhead Wirral CH41 1JH Tel: (00 44) 151 630 0405 Fax: (00 44) 151 630 0406 E-mail: info@delf-uk.com		
Emergency Phone Number	IN AN EMERGENCY DIAL LOCAL EMERGENCY SERVICES		
2. COMPOSITION / INFORMATION			
Product Description	Contains Sodium Hypochlorite in a stabilised solution.		
Alternative Names	Dairy Hypochlorite.		
Hazardous Ingredient(s)	Sodium Hypochlorite. CAS No. 7681-52-9.		
3. HAZARDS IDENTIFICATION			
Most Important Hazard	Corrosive. Causes burns to eyes, skin and respiratory system.		
Other Hazards	Contact with acids liberates toxic chlorine gas.		
4. FIRST AID MEASURES			
Inhalation	Fumes or vapour may cause irritation of the throat and tightness in the chest. If person is exposed to fumes move into fresh air, and if recovery is not rapid seek medical attention.		
Skin Contact	May cause burns, irritation and redness. Remove contaminated clothing. Wash affected area with plenty of soap and water. If in doubt or symptoms persist obtain medical attention. Launder clothing before re-use.		
Eye Contact	IMMEDIATELY irrigate eye with plenty of water or eyewash solution, keeping eyelids apart, for at least 15 minutes. Obtain medical attention.		
Ingestion	May cause soreness in mouth and throat. Wash mouth out with water. Do not induce vomiting and if conscious give half a litre of water, and seek medical attention.		
5. FIRE FIGHTING MEASURES			
<i>Non-combustible</i>			
Extinguishing Media	Any suitable extinguishing media should be used. Use water spray to cool containers.		
Fire Fighting Protective Equipment.	Wear self-contained breathing apparatus and suitable protective clothing.		
6. ACCIDENTAL RELEASE MEASURES			
Personal Precautions	See exposure controls / personal protection (section 8).		
Spillages	Small Spillages: flush area to drain with plenty of water. Large Spillages: Where possible, transfer to a container for reuse or disposal (see Disposal Considerations – Section 13). Contain and absorb using earth, sand or other inert material. Flush area to drain with plenty of water. Treat large spillages as industrial waste.		
Environmental Precautions	Do not allow to contaminate vegetation, drains or water courses. Spillages or uncontrolled discharges into watercourses, drains or sewers must be reported immediately to the Environment Agency, local water company or other appropriate regulatory bodies.		
7. HANDLING AND STORAGE			
Handling	Do not mix with any material other than water. Use in well ventilated area.		
Storage	Must only be kept in original packaging. Store in a cool dry area. Protect from extremes of temperature and direct sunlight. Keep away from incompatible materials. Correct storage minimises decomposition.		
8. EXPOSURE CONTROL/PERSONAL PROTECTION			
Personal Protective Equipment	Wear protective clothing, PVC gloves and eye/face protection.		
Occupational Exposure Limits	Product	Long Term Exposure Limit (8 hr TWA)	Short Term Exposure Limit (15 Min)
	Chlorine	1.5 mg/m ³	2.9 mg/m ³
9. CHEMICAL AND PHYSICAL PROPERTIES			
Appearance	Yellow liquid	Specific Gravity	1.15 typical
Odour	Chlorine	pH	10 typical

10. STABILITY AND REACTIVITY	
Stability	Stable under normal conditions and correct storage.
Known Hazardous Reactions	Strong acids. Ammonia solutions and amines. Methanol. Nickel, copper, tin, manganese and iron.
Conditions to avoid	Avoid extremes of temperature. Sources of heat and direct sunlight (accelerate rate of decomposition).
Hazardous Decomposition Product(s)	Decomposition will generate toxic fumes (chlorine).
11. TOXICOLOGICAL INFORMATION	
Inhalation	Excessive exposure may cause burns soreness and irritation to the respiratory tract.
Skin contact	May cause burns and repeated or prolonged contact with dilute solutions may cause dermatitis. May cause skin sensitisation.
Eye contact	Causes burns. If treated <u>rapidly</u> , permanent damage may be avoided.
Ingestion	May cause nausea, and severe irritation to the digestive tract may occur.
12. ECOLOGICAL INFORMATION	
Persistence and Degradation	This product is expected to be readily biodegradable.
Toxicity	Highly toxic in the aquatic environment due to high pH. Very toxic to fish.
Effect on Effluent Treatment	The product is expected to be substantially removed in the biological treatment process, although evidence of the inhibition of aerobic treatment process processes has been found at concentrations 0.05 mg/litre.
13. DISPOSAL CONSIDERATIONS	
Waste	Large quantities may only be disposed in accordance with Local Authority regulations.
14. TRANSPORT INFORMATION	
UN Transport Name	Sodium Hypochlorite.
UN No.	1791
UN Primary Class	8
UN Packaging Group	III
Transport Hazard Symbol	
Packaging	5 Litre, 25 Litre and 200 Litre HDPE UN approved containers.
Normal Carriage Temperature	Ambient.
15. REGULATORY INFORMATION	
Hazard Symbols	Corrosive 
Risk Phrases	R31: Contact with acid liberates toxic chlorine gas.
	R34: Causes Burns.
Safety Phrases	S1/2: Keep locked up and out of the reach of children.
	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28: After contact with skin, wash immediately with plenty of water.
	S45: If case of accident or if you feel unwell seek medical advice immediately (show label where possible).
	S50: Do not mix with acids.
16. OTHER INFORMATION	
2002	Control of Substances Hazardous to Health Regulations.
2004	Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations.
2002	Chemical (Hazard Information and Packaging for supply) Regulations.
	EH40 Occupational Exposure Limits.
Legal Disclaimer	The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. For further details see Delf (UK) Ltd. conditions of sale (additional copies of this are available on request).
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