




Safety Data Sheet

Formaldehyde

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY			
Product Name	Formaldehyde		
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	A stabilised solution of Formaldehyde 38/10.		
Alternative Names	None		
Hazardous Ingredient(s)	Formaldehyde CAS No: 50-00-0 EINICS No: 200-001-8		
3. HAZARDS IDENTIFICATION			
Most Important Hazard	Toxic by inhalation, in contact with skin and if swallowed. Limited evidence of a carcinogenic effect. May cause sensitisation in contact with skin.		
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 irritation and redness, or whiteness of the skin. 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, and nausea. Wash mouth out with water. Do not induce vomiting and if conscious give half a litre of water, and seek medical advice.		
5. FIRE FIGHTING MEASURES			
<i>Non-combustible</i>			
Extinguishing Media	Carbon Dioxide, water fog, or water spray may 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: Eliminate sources of ignition and evacuate the area immediately. 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	Avoid contact with skin. 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 well ventilated area. Keep away from sources of ignition, heat and direct sunlight. Keep away from incompatible materials.		
8. EXPOSURE CONTROL/PERSONAL PROTECTION			
Personal Protective Equipment	Wear protective clothing, PVC gloves, boots and eye/face protection. If ventilation is inadequate suitable respiratory protection should be worn.		
Occupational Exposure Limits	Product	Long Term Exposure Limit (8 hr TWA)	Short Term Exposure Limit (15 Min)
	Formaldehyde	2.5 mg/m ³	2.5 mg/m ³
9. CHEMICAL AND PHYSICAL PROPERTIES			
Appearance	Clear colourless liquid	Specific Gravity	1.12 typical
Odour	Slightly Pungent	pH	1 - 4 typical

10. STABILITY AND REACTIVITY	
Stability	Stable under normal conditions and correct storage.
Known Hazardous Reactions	Reducing agents. Acids. Organic Materials. Flammable Substances.
Conditions to avoid	Avoid extremes of temperature. Sources of heat and direct sunlight (accelerate rate of decomposition).
Hazardous Decomposition Product(s)	Decomposition will generate the rapid release of oxygen, and may cause fire or violent explosions.
11. TOXICOLOGICAL INFORMATION	
Inhalation	Excessive exposure may cause burns soreness and irritation to the respiratory tract. IHL Rat LC50 590 mg/Kg
Skin contact	May cause burns. Repeated or prolonged contact with dilute solutions may cause dermatitis, and 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. ORL Rat LCLO 800 mg/Kg
12. ECOLOGICAL INFORMATION	
Persistence and Degradation	This product is expected to be readily biodegradable, and is not expected to bio-accumulate.
Toxicity	Toxic in the aquatic environment. Fish 96H LC50 1-100 mg/l
Effect on Effluent Treatment	The product is expected to inhibit the biological treatment process,
13. DISPOSAL CONSIDERATIONS	
Waste	Large quantities may only be disposed of as hazardous waste, and in accordance with Local Authority regulations.
14. TRANSPORT INFORMATION	
UN Transport Name	Formaldehyde Solution
UN No.	2209
UN Primary Class	8
UN Packaging Group	III
Transport Hazard Symbol	
Packaging	25 Litre and 200 Litre HDPE UN approved containers.
Normal Carriage Temperature	Ambient.
15. REGULATORY INFORMATION	
Hazard Symbols	 Toxic
	R 23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
	R 34: Causes burns
Safety Phrases	S 1/2: Keep locked up and out of the reach of children.
	S 3/7: Keep container tightly closed in a cool place.
	S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
	S 45: In case of accident or if you feel unwell, seek medical advice immediately. (show this label where possible).
	S 51: Use only in well ventilated areas.
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 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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