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COSHH HEALTH & SAFETY DATA

REVISION No	DATE
1.30	11th March 2010

SUPERCEDES ALL PREVIOUS ISSUES

1. PRODUCT NAME				APPLICATION			
GRIND-COOL				SYNTHETIC GRINDING FLUID. Water extendible concentrate to be diluted in water prior to use (typical dilutions 2% - 5%)			
2. CHEMICAL COMPOSITION / INFORMATION							
Non-hazardous components: detergents, surfactants, water softeners, anti-oxidants and biocides.							
HAZARDOUS INGREDIENTS	CAS No.	EINECS	%w/w. RANGE	WEL		NATURE OF HAZARD/CLASS'N	
Boric Acid compounds with and 2,2'-aminobis[ethanol]		257-421-8 + 267-886-0	20 - 40			Xi; R36/38	
Dodecanedioic and C8-10 compounds with		282-322-3 + 292-931-6	5 - 10			Xi; R36/38	
2,2'-oxydiethanol		203-872-2	1 - 5	23 ppm, 101mg/m ³		Xn; R22	
3. HAZARD IDENTIFICATION							
Product is alkaline. Undiluted product can cause severe irritation if splashed in the eyes. Skin defatting and irritation may be attributed to use of over-strength solutions. Contamination during use may affect irritancy characteristics. Implement a proper procedure for draining and cleaning of coolant systems,+ renewal.							
4. FIRST AID MEASURES				11. TOXICOLOGICAL INFORMATION - ACUTE EFFECTS			
EYES	Remove any contact lenses. Irrigate copiously with clean water for at least 15 minutes. Seek prompt medical attention.			EYES	Strongly irritating in undiluted form with a potential to cause corneal injury if treatment is not prompt. OK when diluted.		
SKIN	Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists seek medical advice.			SKIN	Prolonged contact may cause dryness or irritation, especially with undiluted product or over-strength emulsions.		
INGESTION	Do not induce vomiting. Wash out mouth with water. Give milk or water to drink. Seek medical attention.			INGESTION	Product expected to have a low order of acute toxicity. Aspiration into lungs caused by vomiting can be hazardous.		
INHALATION	Remove to fresh air. Keep warm and at rest. If effects persist obtain medical advice.			INHALATION	Hi temps or atomising systems may generate vapours, mists or fumes which could cause irritaion to eyes and respiratory..		
5. FIRE FIGHTING MEASURES				12. ECOLOGICAL INFORMATION			
EXTINGUISHING MEDIA	Halon/CO2/Foam/Dry chemical powder.			The product does not contain materials considered to have a specific adverse effect on the environment. Not expected to be highly toxic to aquatic life. Product contains boron, naturally occurring in the soil and sea.			
FIRE & EXPLOSION	Will not contribute towards fire risks.						
PROTECTIVE MEASURES							
6. ACCIDENTAL RELEASE MEASURES				13. DISPOSAL CONSIDERATIONS			
SMALL - Wipe with rag or rinse with clean water. Contain large spillages with sand or clay granules, collect in suitable containers for disposal. Do not allow to enter drains or water courses. If product enters water course advise water company.				Do not allow to enter drains or watercourses. Dispose of in accordance with regulations made under Environmental Pollution and Environmental Protection Acts.			
7. HANDLING AND STORAGE				14. TRANSPORT INFORMATION			
Avoid contact with eyes and skin. Store at between 5 - 40 deg C. Product does not present other particular requirements.				U.N. No.	Not applicable	IMDG PAGE No	Not applicable
				IMCO CLASS	Not applicable	PACK'G GROUP	Not applicable
				TREM CARD	Not applicable	EMS	Not applicable
				IATA CLASS		ADR/RID	
8. PERSONAL PROTECTION				15. REGULATORY INFORMATION			
GOGGLES	Yes when undilute	APRONS	Yes	 IRRITANT 	Keep out of reach of children. Irritating to eyes and skin. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. This material and its container must be disposed of as hazardous waste. Contains 2,2'-[[methyl-1H-benzotriazol-1-yl)-methyl]imino]bisethanol isomers. May produce an allergic reaction.		
GLOVES	Yes, impervious	RESPIRATORS	if mists etc. generated				
OVERALLS	Yes	BARRIER CRM	Yes				
9. PHYSICAL AND CHEMICAL PROPERTIES							
APPEARANCE	Fluorescent yellow/green mobile liquid						
ODOUR	None						
pH	9.6 +/- 0.5 at 3% in water						
RELATIVE DENSITY (SG)	1.07						
FLASH POINT	>100°C (not determinable)						
BOILING POINT	>100°C						
SOLUBILITY IN WATER	Infinitely soluble						
10. STABILITY AND REACTIVITY				16. OTHER INFORMATION			
Product is stable and not considered to have dangerously reactive properties. Avoid extremes of temperature. Avoid strong oxidising agents (e.g chlorates, peroxides); strong acids, sodium nitrite. Product may soften some rubbers and other elastomeric sealing materials.				Information supplied in this safety data sheet is to be used as guidance for the safe use, storage and handling of the product., and is correct to the best of our knowledge and belief at the time of publication. However, no guarantee is made as to its accuracy. This information relates only to the specific material designated, and may not be valid for such material used in combination with any other materials, or in any other process. As conditions of use of the product are outside our control, the information is given without legal responsibility. the user is responsible for compliance with relevant legislation.			