

MERLIN COATINGS LTD

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SAFETY DATA SHEET

Important Introduction

In compliance with Chip 3 and ACOP, Compilation of Safety Data Sheets, 3rd. Edition, this information is provided to help inform Risk Assessments. Its contents cannot be considered to be a risk assessment under Management of Health and Safety or other such regulations. Risk assessments require consideration of other information related to the precise circumstances and situation in which a substance or preparation is to be used. Such information is not available to the supplier/compiler of this data.

SECTION 1		PRODUCT IDENTIFICATION		
PRODUCT NAME		Merlin Coatings Tile Cleaner		
DESCRIPTION		Cleaner for ceramic surfaces.		
APPEARANCE AND ODOUR		Clear liquid with mild characteristic detergent smell		
SECTION 2		COMPOSITION		
HAZARDOUS COMPONENTS		RELATED INFORMATION		
(COMMON CHEMICAL NAME)	% (w/w)	CAS NUMBER	CLASS	RISK PHRASES
ammonium hydrogen difluoride	<5	1341-49-7	C	Harmful if swallowed. Causes burns
Isopropanol	<5	200-661-7	Xi	Highly flammable, Irritating to eyes
Alcohol ethoxylate	<5	68439-45-2	Xn	Harmful if swallowed, risk damage to eyes
SECTION 3		HAZARDS IDENTIFICATION		
CHIP CLASSIFICATION		Not classified in accordance with the CHIP 3 Regulations		
HAZARDS		Contains a material with an OES/MEL published in HSE document EH40		
SECTION 4		FIRST AID MEASURES		
EYES	Keep eyelids apart and rinse immediately with water for at least 10 minutes. SEEK MEDICAL ADVICE IF EFFECT PERSISTS.			
INGESTION	DO NOT INDUCE VOMITING. Rinse mouth drink water. SEEK MEDICAL ADVICE.			
INHALATION	Remove from source of exposure.			
SKIN	Wash thoroughly with plenty of soap and water.			
OTHER INFORMATION		IF ANY SYMPTOMS PERSIST SEEK MEDICAL ADVICE AND SHOW THIS SHEET.		
SECTION 5		FIRE FIGHTING MEASURES		
EXTINGUISHING MEDIA		Product is not flammable.		
SPECIAL PROCEDURES		None relevant.		
OTHER INFORMATION		None relevant		
SECTION 6		ACCIDENTAL RELEASE MEASURES		
FOR LEAKS OR SPILLAGES		Wear suitable protective clothing. Do not allow to enter water course or contaminate vegetation. Hose away into foul sewer diluting with plenty of water or collect up with non-flammable absorbent material and place in suitable container for disposal.		
OTHER INFORMATION		None.		
SECTION 7		HANDLING AND STORAGE		
HANDLING		Avoid contact with skin, eyes and clothing. Do not mix with other chemicals. Follow good hygiene practices and wash hands before drinking, eating, etc.		
STORAGE		Store containers in a cool, dry area and do not allow to freeze.		
OTHER INFORMATION		None.		
SECTION 8		EXPOSURE CONTROLS AND PERSONAL PROTECTION		
HAZARDOUS COMPONENTS		OCCUPATIONAL EXPOSURE STANDARDS		
(COMMON CHEMICAL NAME)	8 hour TWA	15 min STEL	RELATED INFORMATION	
ammonium hydrogen difluoride	2.5mg/m ³	Not listed	Not a volatile product.	
Isoprpanol	999mg/m ³	1250mg/m ³		
PERSONAL PROTECTION		RUBBER GLOVES. Protective clothing and eye wear not normally requires unless risk assessment indicates the need for it.		

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SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES		
pH @ 25°C	Typically 4.0	FLAMMABILITY	Not flammable
SPECIFIC GRAVITY @ 25°C	Typically 1.03	FLASH POINT (P.M.C.C.)(°C)	>60°C
VISCOSITY @ 25°C	Approx. 12 cps.	AUTOFLAMMABILITY (°C)	Not flammable
MELTING POINT (°C)	Freezes at 0°C.	EVAPORATION (BuAc=1)	Not Established.
BOILING POINT / RANGE (°C)	Typically 100°C.	FLAMMABLE LIMITS	Not flammable
SOLUBILITY IN WATER	Completely Soluble.	VAPOUR DENSITY (Air=1)	Not relevant
SOLUBILITY IN SOLVENT	Not soluble	OTHER INFORMATION	Not Applicable.
SECTION 10	STABILITY AND REACTIVITY		
STABILITY	Stable under normal conditions of use.		
CONDITIONS TO AVOID	Do not allow to freeze.		
INCOMPATIBILITY	Will react with non-ferrous metals to release flammable hydrogen gas. Will react exothermically with caustic alkalies.		
DECOMPOSITION PRODUCT	May include Ammoniacal vapours, Oxides of Nitrogen, Hydrogen Fluoride.		
OTHER INFORMATION	Hazardous polymerisation will not occur.		
SECTION 11	TOXICOLOGICAL INFORMATION		
EXPOSURE ROUTE	ACUTE AND CHRONIC EFFECTS	SYMPTOMS AND CONDITIONS	
EYES	Unlikely to be irritating in normal use		
INGESTION	Unlikely to be irritating in normal use		
INHALATION	Unlikely to be irritating in normal use		
SKIN	Unlikely to be irritating in normal use		
TOXICOLOGICAL DATA	Acidic nature of the product makes it fatal to fish and other aquatic life.		
SECTION 12	ECOLOGICAL INFORMATION		
	Surfactants in the product are biodegradable and easily eliminated by normal sewage waste treatment.		
SECTION 13	DISPOSAL CONDITIONS		
PRODUCT	Not classifies as special waste. Small quantities dilute with plenty of water and pour down foul drain		
CONTAINER	Rinse out well, We do not advise reusing the container.		
OTHER INFORMATION	None.		
SECTION 14	TRANSPORT INFORMATION		
U.N. (S.I.N.)	Not regulated	DESCRIPTION	
A.D.R./R.I.D.	Not regulated	PACKING GROUP	
I.A.T.A.	Not regulated	TARIFF NUMBER	
I.M.D.G.	Not regulated	TREMCARD	
OTHER INFORMATION	This product is not classed as a marine pollutant.		
SECTION 15	REGULATORY INFORMATION		
LABEL INFORMATION	This product is not classified as hazardous in accordance with the CHIP 3 Regulations.		
RISK PHRASES		Non required	
SAFETY PHRASES	2,26	Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. This product contains a material with an OES/MEL	
SECTION 16	OTHER INFORMATION		
	Read and follow manufacturer's instructions when using product.		
	Tile Cleaner	DATE:	1 Feb.06
		REVISION:	1