

MATERIAL SAFETY DATA SHEET

1. INDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/ UNDERTAKING

PRODUCT NAME: **PERFORMIX • 1130**

2. COMPOSITION /INFORMATION ON INGREDIENTS

PREPARATION CONTAINS: 85% TRIMETHOXYVINYL SILANE CAS No 2768-02-7 Hazard Symbol Xn R-phrases 10-20

5-10% peroxide CAS No 80-43-3 Hazard Symbol O- Xi- Index No 617-006-00-X R -phrases 2D/21/22-36/38-57/53

2-5% organic compound of tin Hazard Symbol Xn R –phases 20/21/22-36/38-52/53

3. HAZARD IDENTIFICATION

HARMFUL IF SWALLOWED. CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE HARMFUL BY INHALATION

4. FIRST-AID MEASURES

AFTER INHALATION: PROVIDE FRESH AIR, SEEK MEDICAL ADVICE IF NECESSARY. AFTER SKIN CONTACT: WASH OFF WITH PLENTY OF WATER AND SOAP IMMEDIATEL, SEEK MEDICAL ADVICE IF NECESSARY. AFTER EYE CONTACT: RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES AND SEEK ADVICE OF AN EYE SPECIALIST AFTER INGESTTION: SEEK MEDICAL ADVICE IMMEDIATELY.(hydrolysis product ; methanol)

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CO2, DRY POWDER. UNSUITABLE EXTINGUISHING MEDIA: --SPECIAL HAZARDS: IN CASE OF FIRE COOL ENDANGERED CONTAINERS WITH WATER

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: PROVIDE SUFFICIENT VEBTILATION. WEAR PERSONAL PROTECTIVE EQUIPMENT. ENVIROMENTAL PRECAUTION: KEEP AWAY FROM DRAIN, WATER AND SOIL. METHODS FOR CLEAN UP: TAKE UP MECHANICALLY OR WITH AN ABSORBENT MATERIAL: SUITABLE ABSORBENTS SUCH AS SAND (FOR DAMMING UP), SAWDUST, UNIVERSAL ABSORBENT. FILL TO BE DISPOSED OF IN COMPLIANCE WITH EXISTING REGULATIONS.

8.	EXPOSURE COTROLS / PERSONAL PROTECTION
	TECHNICAL MEASURES:
	PROVIDE FOR GOOD VENTILATION IF VAPOURS ARE FORMEDINGREDIENTS WITH LIMITING VALUES TO BE
	CONTROLLED
	TLV (TRGS 900 / D) : 200 PPM=260 mg/m3 (methanol)
	INDUSTRIAL HYGIESE:
	REMOVE CONTAIMINATED CLOTHING IMMEDIATELY. ALWAYS WASH HANDS BEFORE BREAK AND AT
	WORK.
	RESPIRATORY PROTECTION:
	REQUIRED WHEN VAPOURS OCCUR.
	HAND PROTECTION:
	RUBBER GLOVES.
	EYE PROTECTION:
	CLOSE-FITTING PROTECTIVE GOGGLES
	FURTHER INFORMATION:
	USE PROTECTIVE CLOTHING / FACE SHIELD IF NECESSARY.

9.

PHYSICAL AND CHEMICAL PROPERTIES

FORM: LIQUID COLOUR: COLOURLESS TO YELLOW ODOUR: AROMATIC MELTING TEMPERATURE BOILING TEMPERATURE 123 C DIN 51356 FLASH POINT 23 C DIN 51758 LOWER :1,4 AT 54 C FLAMMABILITY LIMITS IN AIR (% BY VOLUME) UPPER :19,9 AT 82 C IGNITION TEMPERATURE NOT DETERMINED DNV 1300 VAPOUR PRESSSURE 90 hPa DENSITY 0,97 g/cm3 (20 C)DIN 51757 SOLUBILITY IN WATER (20 C) NOT MISCIBLE, DECOMPOSITION BY HYDROLYSIS pH VALUE (50 g/l water) (20 C) NOT DETERMINED VISCOSITY (20 C) ABOUT 0.8 mPa DIN 53015

STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITON PRODUCTS: METHANOL IN CASE OF HYDROLYSIS. HAZARDOUS REACTION WITH ACIDS. EXOTHERMIC REACTION WITH ACIDS. AVOID TEMPERATURES >65 C

11.

10.

TOXICOLOGICAL INFORMATION

SKIN POSSIBLY IRRITATING EYES POSSIBLY IRRITATING INHALATION HARMFUL INGESTION HARMFUL (methanol in case of hydrolysis)

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ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY

Degradability value; BOD 28;999% remark OECD 301B

Aquatic toxicity ;no apparent toxicity for fish in the case of vinyltrimethyloxy silane Other information ;hydrolysis into . methanol in water or atmosphere

13.

PRODUCT:

DISPOSAL CONSIDERATIONS

WITH RESPECT TO LOCAL REGULATION, e.g. DISPOSE TO SUITABLE WASTE INCINERATION PLANT.

RID/ADR: CLASS: 3 ITEM 3B HAZARD INFORMATION NO. 3.3 UN-NO : 1993 NAME OF THE SUBSTANCE:vinyltrimethoxy silane and Di cumyl peroxide ADNR: CLASS:3 ITEM 3B NAME OF THE SUBSTANCE:vinyltrimethoxy silane and Di cumyl peroxide IMDG-CODE: CLASS:3 UN-NO :1993 PG:III EMS –NO, 3-07 LABEL; FLAMMABLE LIQUID N.O.S ICAO/IATA-DGR: CLASS : 3 PG ;III LABEL ;FLAMMABLE LIQUID

REGULATORY INFORMATION

15.

LABELING (EC):

ACCORDING TO DIRECTIVE 67/458/EEC. HAZARD SYMBOL: C = CORROSIVE R-PHRASES :8 CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE 10 20 HARMFUL BY INHALATION S-PHRASES : 26 IN CASE OF CONTACT WITH EYE, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. 23 DO NOT BREATH GAS FOR PROLONG PERIODS

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OTHER INFORMATION

THE DETAILS CONTAINED HEREIN ARE BASED ON OUR PRESENT STATE OF KNOWLEDGE AND EXPERIENCE AND ARE TO CHARACTERIZE OUR PRODUCT WITH REGARD TO ANY POSSIBLE SAFETY REQUIREMENTS. WE DO, HOWEVER, PASS THEM ON WITHOUT ANY WARRANTY OR PROPERTY ASSURANCES.

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