

HEALTH AND SAFETY DATA SHEET - TECHNICO SURFACE COATINGS - REFERENCE No. HSD T202

Revision Date: 05/2004 Sheet 1 of 5

1 : IDENTIFICATION OF THE PREPARATION AND COMPANYTECHNICO SURFACE COATINGS LTD. , UNIT14 BLYTHE BUSINES BASE, SANDON ROAD,
CRESSWELL, STOKE ON TRENT ST11 9RD TEL +44(0)1782 397400

Intended use: **For professional use only.** A component of a complete system of coatings for the finishing and repair of vehicles. For use by trained staff in properly equipped industrial premises. Do not use for any other purpose without asking us for written handling instructions.

Product name and reference no. 1K ACRYLIC CLEAR LACQUER RFU**2 : COMPOSITION / INFORMATION ON INGREDIENTS.**

Substances presenting an health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC, or subject to recognised exposure limits.

<u>CAS No.</u>	<u>NAMES</u>	<u>CONCENTRATION LIMITS</u>	<u>SYMBOL</u>	<u>R PHRASES(See full text of phrases under Section 16</u>
78-93-3	METHYL ETHYL KETONE	2.5-10%	Xi	36/37
85-68-7	BENZYL BUTYL PHTHALATE	2.5-10%		
1330-20-7	XYLENE, MIXTURE OF ISOMERS	2.5-10%	Xn	20/21-38
108-88-3	TOLUENE	25-50%	Xn	20
67-63-0	PROPAN-2-OL	10-25%		
108-67-8	MESITYLENE	1-2.5%	Xi	37
	PROPYLBENZENE AND ISOPROPYL	1-2.5%		
	BENZENES		Xi	37

3 : HAZARDS IDENTIFICATION OF THE PREPARATION.

Highly Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and respiratorysystem.

4 : FIRST AID MEASURES:

General : In all cases of doubt, or where symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air, kept patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

Eye contact : Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Skin contact : Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do **NOT** use solvents or thinners.

Ingestion : If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting.

5 : FIRE FIGHTING MEASURES

Extinguishing media : Recommended: alcohol resistant foam, CO₂, powders, water spray / mist.
Not to be used : water jet.

Recommendations : Fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

6 : ACCIDENTAL RELEASE MEASURES.

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in container for disposal in accordance with the waste regulations (see Section 13). Clean preferably with a detergent; avoid use of solvents.

Do not allow to enter drains or water courses. If the product enters drains or sewers, the local water authority should be contacted immediately; in the case of contamination of streams rivers or lakes: the National Rivers Authority (G.B.), DoE Environment Service (NI).

7. HANDLING AND STORAGE

Handling: Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep container tightly closed. Isolate from sources of heat. sparks and open flame. No sparking tools should be used.

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see Section 8.

Never use pressure to empty: the container is not a pressure vessel. Always keep in containers made of the same material as the original supply container.

Good housekeeping standards and regular safe removal of waste materials will minimise risks of spontaneous combustion and other fire hazards. The product may charge electrostatically. Use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. The requirements of regulations made under the Health and Safety at Work etc. Act 1974(GB). the Health and Safety at Work etc. Order 1978 (NI) should be complied with.

The Manual Handling Operations Regulations 1992 (GB and NI) may apply to the handling of containers of this product. Refer to the published guide weight when carrying out Dry assessments.

Storage: Store in accordance with the conditions of licence necessary under the Petroleum (Consolidation) Act 1928 (GB). the Petroleum (Consolidation) Act (NI) 1929(NI). Further guidance is contained in HSE Guidance Note HS(G)S1. Storage of Flammable Liquids in Containers.

Observe label precautions. Store between 5 and 30 degrees C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and stored upright to prevent leakage. The principles contained in the HSE Guidance Note HS(G)71. Storage of Packaged Dangerous Substances, should be observed when storing this product.
Store separately from oxidising agents, from strongly alkaline and strongly acid materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Provide adequate ventilation. Where reasonably practicable, local exhaust ventilation and good general extraction should be installed. Suitable respiratory protective equipment should also be worn (see "Personal Protection" below).

exposure Limits: Occupational exposure limit (OEL) for:

		LTEL(1)		STEL(2)		NOTES	NOTES
		ppm	Mg/m ³	ppm			
78-93-3	METHYL ETHYL KETONE	200	590	300			
85-68-7	BENZYL BUTYL PHTHALATE		5				SK
1330-20-7	XYLENE, MIXTURE OF ISOMERS	100	435	150	Sk		
108-88-3	TOLUENE	50	188	560	Sk		
67-63-0	PROPAN-2-OL	400	980	500	Sk		SK(R)
108-67-8	MESITYLENE	25	123				
	PROPYLBENZENE AND	25	120				
	ISOPROPYL BENZENES			75	SK		

according to HSE Guidance Note EH40 (current edition) unless otherwise stated.

- (1) Long term exposure limit - 8 hours time weighted average.
(2) Short term exposure limit - 10 minutes reference period.
(3) (M) Maximum Exposure Limit (MEL) - Where a MEL has been set exposure should be reduced as far as is reasonably practicable.
(R) Recommended by suppliers.
(Sk) There is a risk of absorption through unbroken skin.
(Sen) Respiratory sensitiser.

Personal Protection: All personal protective equipment should be in conformity with the Provision & Use of PPE Regulations 1992 (GB), the PPE at Work Regulations (NI). 1993(NI).

Respiratory protection: Air-fed respiratory equipment should be worn when this product is sprayed. Other people nearby should be similarly protected if exposure cannot be controlled to below the occupational exposure limit and engineering controls and methods cannot reasonable be improved.

Dry sanding, welding and/or flame cutting of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Further information on respiratory protective equipment is available in HSE publication "Respiratory Protective Equipment" Third Edition ISBN 011 886382 7.

Hand protection: When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection, and should not be applied once exposure has occurred.

Eye protection: Eye protection designed to protect against liquid splashes should be worn.

Skin protection: Cotton or cotton/synthetic overalls or Coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid

Vapours denser than air.

Solubility in water : immiscible

Viscosity

ISO flow cup no. 4 @23°C

20"

Flashpoint

5°C+

Specific Gravity

0.89

LEL

1%

10: STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see Section 7). In a fire hazardous decomposition products such as carbon monoxide and dioxide, smoke and oxides of nitrogen may be produced. Keep away from oxidising agents, strongly alkaline and strongly acid materials to prevent the possibility of exothermic reactions.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

Based on the properties of the isocyanate content of this product, respiratory exposure may cause acute irritation and/or sensitisation of the respiratory system, resulting in asthmatic symptoms, wheezing and a tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to airborne concentrations of isocyanates well below the occupational exposure limit. Repeated exposure may lead to permanent respiratory disability.

Exposure to organic solvent vapours above the OEL's may result in adverse health effect such as irritation of the mucous membrane and respiratory system and adverse effect on kidney, liver and central nervous system. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness, and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the product may lead to removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage.

COSHH requires that persons exposed to products containing isocyanates, which are respiratory sensitisers, be subject to appropriate health surveillance, see "Surveillance of people exposed to health risks at work". HSE 1990 ISBN 011 885574 3. Employees should be provided with a copy of the HSE pocket card on isocyanates. MS(B)8.

12.ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or watercourses, or be deposited where it can affect ground or surface waters. The air pollution control requirements or regulations made under the Environmental Protection Act 1990 (GB) or the Air Pollution Act 1987 may apply to the use of this product.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected.

Residues in emptied containers should be neutralised with decontaminant (see Section 6). Waste, including empty containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act 1974 and the Environmental Protection Act 1990(GB). or the Pollution Control and Local Government (NI) Order 1978 (NI).

Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the Special Waste Regulations 1980 (GB). or the Pollution Control (Special Waste) Regulations (NI) 1981 (NI) apply.

14. TRANSPORT INFORMATION

Transport only in accordance with CHIP (Great Britain) or ADR (rest of Europe) for road. RID for rail. IMDG for sea and ICAO/IATA for air transport.

Refer to us for instructions on air transport.

UK road: Class: 3 Sub-risk: none. Packing group :II

ADR/RID: Class: 3 Item: 3'b Packing group :II. Transport document name- see Product Name Sub risk none

IMDG: Class: 3.2 Sub-risk: none Marine pollutant: no .UN No: 1263. Packing group : III . EmS: 3-05 MFAG: 310 Proper Shipping name: PAINT RELATED MATERIAL

15 : REGULATORY INFORMATION

The product is classified and labelled as follows under the CHIP Regulations 1993 (G8). The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act 1974 and the Control of Substances Hazardous to Health Regulations 1988 (GB). or the Health and Safety at Work etc. Order 1 978 the Control of Substances Hazardous to Health Regulations (NI) 1 990 (NI) apply to the use of this product at work.

Harmful. Highly Flammable. Contains-Toluene. Highly Flammable. Harmful by inhalation. Keep away from sources of ignition. No Smoking. Do not breathe vapour/spray. In case insufficient ventilation wear suitable respiratory equipment. Use only in well ventilated areas.

16 : OTHER INFORMATION

The full texts of the risk phrases appearing in Section 2 are as follows:

R20 Harmful by inhalation
R20/21 Harmful by inhalation and in contact with skin
R36/37 Irritating to eyes and respiratory system.
R37 Irritating to respiratory system
R38 Irritating to the skin

The information contained in this Safety Data Sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations 1993 (GB) or the Chemicals (Hazard Information and Packaging) Regulations (NI) 1993.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.