

SAFETY DATA SHEET

TONERSOLVE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: TONERSOLVE

PART No.: ETOS250ML

SUPPLIER: H K WENTWORTH PTY LIMITED
P.O. BOX 339
BROOKVALE, NSW 2100
AUSTRALIA
Tel: 02 9938 1566
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
2-METHOXY-1-METHYLETHYL ACETATE			30-60 %
108-65-6	203-603-9	Xi R-10, 36	
PROPYLBENZENE			0-1 %
98-82-8	202-704-5	Xn ,N R-10, 37, 51/53, 65	
DICHLOROMETHANE			10-30 %
75-09-2	200-838-9	Xn R-40 Carc3	
MESITYLENE			1-5 %
108-67-8	203-604-4	Xi ,N R-10, 37, 51/53	
1,2,4-TRIMETHYLBENZENE			5-10 %
95-63-6	202-436-9	Xn ,N R-10, 20, 36/37/38, 51/53	
SOLVENT NAPHTHA (petroleum, light)			5-10 %
64742-95-6	265-199-0	Xn ,N R-10, 37, 51/53, 65	

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION:

Flammable. Irritating to eyes. Limited evidence of a carcinogenic effect. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Carcinogen Category 3.

HAZARDOUS SUBSTANCE: DANGEROUS GOODS

4. FIRST AID MEASURES:

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION: DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN:	Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.
EYES:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.
SPECIAL FIRE FIGHTING PROCEDURES:	Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.
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7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.
STORAGE PRECAUTIONS:	Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Keep in original container.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
DICHLOROMETHANE	75-09-2	MEL	100 ppm	300 ppm
PROPYLBENZENE	98-82-8	OES	25 ppm(Sk)	50 ppm(Sk)
SOLVENT NAPHTHA (petroleum, light)	64742-95-6	SUP	50 ppm	

INGREDIENT COMMENTS: OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit. SUP = Supplier's recommendation.

PROTECTIVE EQUIPMENT:



VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	Respiratory protection must be used if air concentration exceeds acceptable level.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
HYGIENIC WORK PRACTICES:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Liquid. Clear.		
COLOUR:	Colourless.		
ODOUR/TASTE:	Pungent. Chlorinated hydrocarbons.		
DENSITY/SPECIFIC GRAVITY (g/ml):	0.98	Temperature (°C):	20
BULK DENSITY:	980 kg/m ³		
VAPOUR DENSITY (air=1):	3.14		
VAPOUR PRESSURE:	22.00	Temperature (°C):	
EVAPORATION RATE:	2.24	Reference:	
SOLUBILITY DESCRIPTION:	Insoluble in water.		
SOLUBILITY VALUE (g/100g H₂O 20°C):	0.05		
FLASH POINT (°C):	>40	Method:	CC (Closed cup).
AUTO IGNITION TEMP. (°C):	>333		

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat. Avoid contact with oxidisers or reducing agents.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION:

INHALATION:	Solvent vapours are hazardous and may cause nausea, sickness and headaches. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
INGESTION:	May cause discomfort if swallowed.
SKIN:	Irritating to skin. Product has a defatting effect on skin. Prolonged or repeated contact leads to drying of skin.
EYES:	Spray and vapour in the eyes may cause irritation and smarting.
OTHER HEALTH EFFECTS:	Carcinogen Category 3.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	Dangerous for the environment if discharged into watercourses.
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13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements.
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14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:



UN No. ROAD:	1992
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	III
ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR ITEM No.:	III
ADR MARGINAL:	2301
ADR LABEL No.:	3 & 6.1
HAZCHEM CODE:	3W
CEFIC TEC(R) No.:	30GFT1-III
PROPER SHIPPING NAME I:	FLAMMABLE LIQUID, TOXIC, N.O.S. (2-METHOXY-1-METHYLETHYL ACETATE, DICHLOROMETHANE)
RID CLASS No.:	3
RID ITEM No.:	III
UN No. SEA:	1992
IMDG CLASS:	3
IMDG PAGE No.:	3230
IMDG PACK GR.:	III
EmS No.:	F-E; S-D
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	1992
ICAO CLASS:	3
AIR SUB CLASS:	6.1
AIR PACK GR.:	III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:	R-10 Flammable. R-36 Irritating to eyes. R-40 Limited evidence of a carcinogenic effect. R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
SAFETY PHRASES:	S-25 Avoid contact with eyes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-36/37 Wear suitable protective clothing and gloves. S-51 Use only in well ventilated areas.
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
APPROVED CODE OF PRACTICE:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION:

USER NOTES:	CN No 38140090
REVISION COMMENTS:	Revised in accordance with CHIP3 and EU Directive 1999/45/EC
ISSUED BY:	Helen O'Reilly
REVISION DATE:	MAY 2003
REV. No./REPL. SDS GENERATED:	0
SDS No.:	10634
DISCLAIMER:	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 process unless specified in the text. The information contained in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification
R-PHRASES (Full Text):	R-40 Limited evidence of a carcinogenic effect. R-10 Flammable. R-36 Irritating to eyes. R-37 Irritating to respiratory system. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-20 Harmful by inhalation. R-36/37/38 Irritating to eyes, respiratory system and skin.