

SAFETY DATA SHEET

SOLVENT

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

PRODUCT NAME: SOLVENT
PART No.: OP9010
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	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: TOLUENE 108-88-3	203-625-9	Xn ,F R-11, 20	60-100 %

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

3. HAZARDS IDENTIFICATION:

Highly flammable. Harmful by inhalation.

HAZARDOUS SUBSTANCE: DANGEROUS GOODS

4. FIRST AID MEASURES:

INHALATION: Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN: Remove affected person from source of contamination. Remove contaminated clothing. 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. Keep run-off water out of sewers and water sources. Dike for water control.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

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
TOLUENE	108-88-3	OES	50 ppm(Sk)	150 ppm(Sk)

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

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. Promptly remove any clothing that 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: Organic solvents.

BOILING POINT (°C, interval): 110-116

Pressure:

DENSITY/SPECIFIC GRAVITY (g/ml): 0.87

Temperature (°C): 20

SOLUBILITY DESCRIPTION: Insoluble in water.

FLASH POINT (°C):	~ 4	Method:	CC (Closed cup).
AUTO IGNITION TEMP. (°C):	480		
FLAMMABILITY LIMIT - LOWER(%):	1.27		
FLAMMABILITY LIMIT - UPPER(%):	7.10		

10. STABILITY AND REACTIVITY:

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

11. TOXICOLOGICAL INFORMATION:

HEALTH WARNINGS:	INHALATION. May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. SKIN CONTACT. Irritating to skin. Product has a defatting effect on skin. EYE CONTACT. Irritating to eyes. INGESTION. May cause discomfort.
ROUTE OF ENTRY:	Inhalation. Skin absorption.

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:	1294
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	II
ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR ITEM No.:	II

ADR MARGINAL:	2301
ADR LABEL No.:	3
HAZCHEM CODE:	3YE
CEFIC TEC(R) No.:	30GF1-I+II
PROPER SHIPPING NAME I:	TOLUENE
RID CLASS No.:	3
RID ITEM No.:	II
UN No. SEA:	1294
IMDG CLASS:	3
IMDG PAGE No.:	3230
IMDG PACK GR.:	II
EmS No.:	F-E; S-D
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	1294
ICAO CLASS:	3
AIR PACK GR.:	II

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:	R-11 Highly flammable. R-20 Harmful by inhalation.
SAFETY PHRASES:	S-16 Keep away from sources of ignition - No Smoking. S-51 Use only in well ventilated areas. S-9 Keep container in a well ventilated place.
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 29031200
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.: 10303

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-11 Highly flammable. R-20 Harmful by inhalation.