



SAFETY DATA SHEET

Solvex

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

PRODUCT NAME: SOLVEX
SUPPLIER: LTP
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2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	CAS No.:	EC No.:	CLASSIFICATION	CONTENT
DICHLOROMETHANE	75-09-2	200-838-9	Carc3;R40	60-100%
MENTHANOL	1	200-659-6	F;R11 T;R23/24/25,R39/23/24/25	5-10% 67-56-
NAPHTHA (PETROLEUM) HYDRODESULFURIZED HEAVY; LOW BOILING POINT (WHITE SPIRIT)	64742-82-1		Xn;R65. N;R51/53. R10,R66.	< 1%

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

3. HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect. Harmful by inhalation, in contact with skin and if swallowed.
 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
 CLASIFICATION Xn;R20/21/22, R68/20/21/22. Carc 3;R40.

4. FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: **DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!** Promptly get affected person to drinks large volumes of water to dilute the swallowed chemical. Get medical attention.

SKIN: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove contaminated clothing if soaked through and wash as above. Get medical attention if any discomfort continues.

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 and get medical attention.

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5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Water spray, fog or mist. Foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES:

Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid water in straight hose stream; will scatter and spread fire. Keep run off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

UNUSUAL FIRE & EXPLOSION HAZARDS:

May develop highly toxic or corrosive fumes if heated. May form explosive or toxic mixtures with air.

PROTECTIVE MEASURES IN FIRE:

Wear self contained-breathing apparatus and full protective clothing

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Wear suitable protective clothing as specified under section 8 of this safety data sheet – Exposure Controls and Personal Protection.

ENVIROMENTAL PRECAUTIONS:

Do not allow spilled material to enter drains or water courses.

SPILL CLEAN UP METHODS:

Provide ventilation and confine spill. Do not allow to run off to sewer. Clean-up personnel should use respiratory and/or liquid contact protection. Collect with non-combustible absorbent material. Flush with water. Dike for large spills. Do not let washing down water contaminate ponds or waterways.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS:

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Avoid acids, moisture, and combustible materials. Wear full protective clothing for prolonged exposure and/or high concentrations.

STORAGE PRECAUTIONS:

May attack some plastics, rubber and coatings. Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS:

Toxic storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	STD	LT-ppm	LT-mg/m3	ST- ppm	ST-mg/m3
DICHLOROMETHANE	WEL	100 ppm(SK)	350mg/m3(SK)	300ppm(SK)	1060mg/m3(SK)
METHANOL	WEL	200 ppm(SK)	266mg/m3(SK)	250ppm(SK)	333mg/m3(SK)
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY; LOW BOILING POINT (WHITE SPIRIT)	WEL		1000mg/m3		

INGREDIENT COMMENTS:

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT:



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ENGINEERING MEASURES:

Must not be handled in confined space without sufficient ventilation. Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT:

If ventilation is insufficient, suitable respiratory protection must be provided. Wear a filter mask fitted with organic chemical cartridge filter.

HAND PROTECTION:

Use protective gloves made of: P.T.F.E (Teflon)

EYE PROTECTION:

Use eye protection

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

HYGIENIC MEASURES:

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Aerosol Liquid

ODOUR/TASTE: Pungent

MELTING POINT (°C) -95

DENSITY (air=1) 2.9

FLASH POINT (°C): N/A to Dichloromethane

FLAMMABILITY POINT – LOWER(%) 12

RELATIVE DENSITY 1.3 @ 15°C

VAPOR PRESSURE 47.4 kPa @ 20°C

AUTO IGNITION 556

TEMPERATURE (°C)

FLAMMIBILITY LIMIT – UPPER(%) 25

VAPOUR

10. STABILITY AND REACTIVITY

STABILITY:

Avoid: Heat, sparks, flames. Moisture.

CONDITIONS TO AVOID:

Magnesium powder, Potassium, Potassium-tert-Butoxide, Sodium, Aluminium powder.

HAZARDOUS DECOMP. PRODUCTS:

Toxic gases/vapors/fumes of: Carbon monoxide (CO). Hydrogen chloride (HCl). Phosgene (COC12)

11. TOXICOLOGICAL INFORMATION

INHALATION:

Dichloromethane is harmful by inhalation. Continued or high exposures by inhalation will cause anaesthetic effects. This may result in a loss of consciousness and could prove fatal. Vapor may irritate respiratory systems or lungs.

INGESTION:

May cause stomach pain or vomiting. May cause internal injury. Significant absorption may cause sleepiness, intoxication and pulmonary oedema.

SKIN CONTACT:

May be absorbed through the skin. Possible risk of irreversible effects. Absorption of organic solvents through the skin can cause some of the same acute and chronic effects as inhalation. Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

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EYE CONTACT:

Vapor or spray may cause eye damage, impaired sight or blindness.

HEALTH WARNINGS:

Gas or vapor is harmful on prolonged exposure or in high concentration. This chemical may cause skin. Eye irritation and burns (corrosive). Toxic through skin absorption (Percutaneous). Narcotic effect. CNS depressant. Repeated exposure may cause chronic eye irritation. Swallowing concentrative chemicals may cause severe internal injury. May cause liver and/or renal damage. Unconsciousness, death. Other ill health effects

IARC Int. Agency for Cancer Research. Consolidated carcinogen list. Carcinogen category 3.

ROUTE OF ENTRY:

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

TARGET ORGANS:

Central nervous system. Kidneys and liver.

MEDICAL SYMPTOMS:

Mild intoxication (incl. fatigue, lassitude, irritability, headache, nausea).

12. ECOLOGICAL INFORMATION

ECOTOXICITY

No data on possible environmental effects have been found.

BIOACCUMULATION

There is no evidence that this material bioaccumulates and no long term ecotoxic effects are expected.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION



UK ROAD CLASS	6.1		
PROPER SHIPPING NAME	TOXIC LIQUID, ORGANIC, N.O.S. (DICHLOROMETHANE, METHANOL)		
UN NO. ROAD	2810	UK ROAD PACK GR.	III
ADR CLASS NO.	6.1	ADR CLASS	Class 6.1 Toxic substances
ADR PACK GROUP	2.5(c)	HAZARD NO. (ADR)	60
ADR LABEL NO.	6.1	HAZCHEM CODE	2X
CEFIC TEC(R) NO.	61G61b	RID CLASS NO.	6.1
RID PACK GROUP	2.5(c)	UN NO. SEA.	2810
IMDG CLASS	6.1	IMDG PACK GR.	III
EMS	6.1-02	MFAG	See guide
MARINE POLLUTANT	No.	UN NO. AIR	2810
AIR CLASS	6.1	AIR PACK GROUP	III

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15. REGULATORY INFORMATION


LABEL FOR SUPPLY:
CONTAINS:

DICHLOROMETHANE
METHANOLL

RISK PHRASES:

R40 Limited evidence of a carcinogenic effect.
R20/21/22 Harmful by inhalation, in contact with skin or swallowed.
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

SAFETY PHRASES:

S2 Keep out of the reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well ventilated areas.
S36/37 Wear suitable protective clothing and gloves.
S56 Dispose of this material and its container to hazardous or special waste collection point.
S60 This material and its container must be disposed of as hazardous waste.

P16 Can become highly flammable in use.

STATUTORY INSTRUMENTS:

Chemicals (Hazard Information and Packaging) Regulations.

GUIDANCE NOTES:

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16. OTHER INFORMATION

REVISION DATE:

19.09.2007

REV. No./REPL. SDS GENERATED:

001

SDS NO.

ADD DATA

RISK-PHRASES (Full Text):

R10 Flammable
R11 Highly flammable
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
R39/23/24/25 Toxic: Danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R40 Limited evidence of a carcinogenic effect.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

This data sheet is compiled to be of assistance but is without guarantee. Users are responsible for safe working. March 09