

SAFETY DATA SHEET

K070 - D-SOLVE

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

PRODUCT NAME: K070 - D-SOLVE

SUPPLIER: Selden Research Limited
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2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: BUTANE 106-97-8	203-448-7	F+ R-12	5-10 %
NATURALLY DERIVED TERPENES 68647-72-3	227-813-5	Xn R-10, 65	1-5 %
PROPANE 74-98-6	200-827-9	F+ R-12	5-10 %

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

3. HAZARDS IDENTIFICATION

Extremely flammable.

PRESSURISED CONTAINER - increase in temperature to greater than 50C will cause internal pressure to rise potentially causing bursting/explosion.

4. FIRST AID MEASURES

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

INGESTION: Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

SKIN: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES: Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Aerosol cans may explode in fires.

6. ACCIDENTAL RELEASE MEASURES**PRECAUTIONS TO PROTECT ENVIRONMENT:**

Any spillage needs to be contained and not allowed to enter water courses

SPILL CLEANUP METHODS:

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. If leakage cannot be stopped, evacuate area.

7. HANDLING AND STORAGE**USAGE PRECAUTIONS:**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS:

Aerosol cans: Must not be exposed for direct sunlight or temperatures above 50°C.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
PROPANE	74-98-6		Asphyxiating	Asphyxiating
BUTANE	106-97-8	OES	600 ppm	750 ppm

INGREDIENT COMMENTS:

OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

PROTECTIVE EQUIPMENT:**VENTILATION:**

Provide adequate general and local exhaust ventilation.

RESPIRATORS:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Use chemical cartridge protection with appropriate cartridge.

PROTECTIVE GLOVES:

Use protective gloves.

EYE PROTECTION:

Wear approved chemical safety goggles where eye exposure is reasonably probable.

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. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE:**

Aerosol.

PHYSICAL DATA COMMENTS:

Information given relates to total aerosol container contents.

FLASH POINT (°C):

- 74

Method:

N/A.

AUTO IGNITION TEMP. (°C):

+ 405

FLAMMABILITY LIMIT - LOWER(%):

1.8

FLAMMABILITY LIMIT - UPPER(%): 10.0

10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition. Increase in temperature to greater than 50 degrees will cause rise in internal pressure with likelihood of bursting/explosion.

HAZARDOUS DECOMP. PRODUCTS: Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

INHALATION: High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Gas or vapour displaces oxygen available for breathing (asphyxiant). Unconsciousness.

SKIN: No specific health warnings noted.

EYES: Irritation of eyes and mucous membranes.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not regarded as dangerous for the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION

UN No. ROAD: 1950

UK ROAD TRANSPORT CLASS: 2.1

ADR CLASS No.: 2.1

ADR CLASSIFICATION CODE 5F

PROPER SHIPPING NAME I: AEROSOLS

UN No. SEA: 1950

IMDG CLASS: 2.1

UN No., AIR: 1950

ICAO CLASS: 2.1

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:	R-12 Extremely flammable.
SAFETY PHRASES:	S-16 Keep away from sources of ignition - No Smoking. S-2 Keep out of the reach of children. S-23 Do not breathe gas/fumes/vapour/spray. S-51 Use only in well-ventilated areas.
STATUTORY INSTRUMENTS:	Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.
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:	The following risk phrases relate to the raw materials in the product and not the product itself:-
REVISION DATE:	June 2003
REV. No./REPL. SDS GENERATED:	8
PRINTING DATE:	2004-04-02
R-PHRASES (Full Text):	R-12 Extremely flammable. R-10 Flammable. R-65 Harmful: may cause lung damage if swallowed.