

SAFETY DATA SHEET

K003 - SELFREEZ

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

PRODUCT NAME: K003 - SELFREEZ
PART No.: 559
SUPPLIER: Selden Research Limited
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2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
PENTANE			10-30 %
109-66-0	203-692-4	Xn ,F+ ,N R-12, 51/53, 66, 67, 65	

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

3. HAZARDS IDENTIFICATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

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. Provide rest, warmth and fresh air.

SKIN: Rinse with 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
PENTANE	109-66-0	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.

10. STABILITY AND REACTIVITY

STABILITY: Normally stable. Avoid: Shocks and physical damage.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition.

HAZARDOUS DECOMP. PRODUCTS:Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).**11. TOXICOLOGICAL INFORMATION**

INHALATION:	High concentrations of vapour even for short periods must be avoided since this may be dangerous and cause unconsciousness and prove suddenly fatal.
SKIN:	Contact with liquid will cause freezing of body tissue and frostbite.
EYES:	Irritation is likely. Contact with liquid causes freezing of body tissue and frostbite

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	Because product is so volatile if it is released into the environment the liquid would very quickly turn into vapour.
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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.
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14. TRANSPORT INFORMATION**LABEL FOR CONVEYANCE:**

UK ROAD TRANSPORT CLASS:	2.2
ADR CLASS No.:	2.2
ADR CLASS:	Class 2: Gases; Compressed, liquefied or dissolved under pressure.
ADR CLASSIFICATION CODE	5A
PROPER SHIPPING NAME I:	AEROSOLS
UN No. SEA:	1950
UN No., AIR:	1950
ICAO CLASS:	2

15. REGULATORY INFORMATION

RISK PHRASES:	R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-67 Vapours may cause drowsiness and dizziness.
SAFETY PHRASES:	S-2 Keep out of the reach of children. S-24/25 Avoid contact with skin and eyes. 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
DATE:	11/6/03
PRINTING DATE:	2004-04-02
R-PHRASES (Full Text):	R-12 Extremely flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-65 Harmful: may cause lung damage if swallowed.