

SAFETY DATA SHEET

XUK933 BRAKE CLEANER 5LITRE

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

PRODUCT NAME: XUK933 BRAKE CLEANER 5LITRE

PART No.: XUK933

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2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
CAS No.: ACETONE 67-64-1	EINECS Nr.: 200-662-2	CLASSIFICATION Xi ,F R-11, 36, 66, 67	10-30 %
PROPAN-2-OL 67-63-0	200-661-7	Xi ,F R-11, 36, 67	10-30 %
NAPHTHA (PETROLEUM) , HYDROTREATED LIGHT 64742-49-0	265-151-9	Xi ,F ,N R-11, 38, 51/53, 65, 67	60-100 %

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

3. HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

GENERAL: NOTE! Effects may be delayed. Keep affected person under observation. NOTE! Keep affected person away from heat, sparks and flames!

INHALATION: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen.

INGESTION: Remove victim immediately from source of exposure. Rinse mouth thoroughly. NOTE! Keep affected person away from heat, sparks and flames! DO NOT induce vomiting. Get medical attention immediately.

SKIN:	Remove affected person from source of contamination. Wash the skin immediately with soap and water. 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. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Use: Dry chemicals, sand, dolomite etc. Alcohol resistant foam. Water spray, fog or mist. Carbon dioxide (CO2).
SPECIAL FIRE FIGHTING PROCEDURES:	Ventilate closed spaces before entering them. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Do not scatter spilled material with more water than needed to fight the fire. Be aware of danger for fire to re-start. Keep run-off water out of sewers and water sources. Dike for water control.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Vapours are heavier than air and may spread near ground to sources of ignition.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Stop leak if possible without risk. Ventilate well. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Small quantities may be flushed to drains with plenty of water.
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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. Risk of vapour concentration on the floor and in low lying areas. Static electricity and formation of sparks must be prevented.
STORAGE PRECAUTIONS:	Flammable/combustible - Keep away from oxidizers, heat and flames. Keep containers tightly closed.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
NAPHTHA (PETROLEUM) , HYDROTREATED LIGHT	64742-49-0	OES	1000 mg/m3	
ACETONE	67-64-1	OES	500 ppm	1500 ppm
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm

PROTECTIVE EQUIPMENT:



PROCESS CONDITIONS:	Provide eyewash station.
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VENTILATION:	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.
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:	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:	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. No eating or drinking while working with this material. DO NOT SMOKE IN WORK AREA!

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.		
COLOUR:	Colourless.		
ODOUR/TASTE:	Characteristic.		
DENSITY/SPECIFIC GRAVITY (g/ml):	<1.0	Temperature (°C):	20
SOLUBILITY DESCRIPTION:	Insoluble in water.		
FLASH POINT (°C):	-26	Method:	Not noted.
FLAMMABILITY LIMIT - LOWER(%):	0.9		
FLAMMABILITY LIMIT - UPPER(%):	13.0		

10. STABILITY AND REACTIVITY

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

INHALATION:	Solvent vapours are hazardous and may cause nausea, sickness and headaches. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Harmful by inhalation. Irritating to respiratory system.
INGESTION:	May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Harmful if swallowed.
SKIN:	Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin. Harmful in contact with skin.
EYES:	Irritating to eyes. Irritation, burning, lacrimation, blurred vision after liquid splash.
HEALTH WARNINGS:	Repeated exposure may cause chronic eye irritation. Swallowing concentrated chemical may cause severe internal injury.
ROUTE OF ENTRY:	Inhalation. Ingestion. Skin and/or eye contact.

MEDICAL SYMPTOMS: Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes).

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Collect on absorbent material, place in cardboard kegs and incinerate. Incinerate in suitable combustion chamber. Do not allow runoff to sewer, waterway or ground. Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



UN No. ROAD: 1993
UK ROAD TRANSPORT CLASS: 3
UK ROAD PACK GR.: II
ADR CLASS No.: 3
ADR CLASS: Class 3: Flammable liquids.
ADR PACK GR. II
HAZARD No. (ADR): 33 Highly flammable liquid (flash-point below 23°C).
ADR LABEL No.: 3
HAZCHEM CODE: 3YE
CEFIC TEC(R) No.: 30G30
PROPER SHIPPING NAME I: FLAMMABLE LIQUID, N.O.S. (NAPHTHA (PETROLEUM) , HYDROTREATED LIGHT, ACETONE)
RID CLASS No.: 3
RID PACK GR. II
UN No. SEA: 1993
IMDG CLASS: 3
IMDG PACK GR.: II
EmS No.: 3-07

MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	1993
ICAO CLASS:	3
AIR PACK GR.:	II

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:	<p>R-11 Highly flammable.</p> <p>R-36/38 Irritating to eyes and skin.</p> <p>R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R-65 Harmful: may cause lung damage if swallowed.</p> <p>R-67 Vapours may cause drowsiness and dizziness.</p>
SAFETY PHRASES:	<p>S-16 Keep away from sources of ignition - No Smoking.</p> <p>S-2 Keep out of the reach of children.</p> <p>S-24/25 Avoid contact with skin and eyes.</p> <p>S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S-29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.</p> <p>S-46 If swallowed, seek medical advice immediately and show this container or label.</p> <p>S-51 Use only in well-ventilated areas.</p> <p>S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.</p>
UK REGULATORY REFERENCES:	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. The Control of Substances Hazardous to Health Regulations 2002.
EU DIRECTIVES:	Dangerous Preparations Directive 88\379. System of specific information relating to Dangerous Preparations. 91\155.
STATUTORY INSTRUMENTS:	The Control of Substances Hazardous to Health Regulations 2002. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.
APPROVED CODE OF PRACTICE:	Safety Data Sheets for Substances and Preparations L62. Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES:	Occupational Exposure Limits EH40. CHIP for everyone HSG(108).

16. OTHER INFORMATION

PRINTING DATE:	2003-07-25
R-PHRASES (Full Text):	R-11 Highly flammable. R-38 Irritating to skin. 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-67 Vapours may cause drowsiness and dizziness. R-36 Irritating to eyes. R-66 Repeated exposure may cause skin dryness or cracking.