

22/02/06

PRODUCT SAFETY DATA SHEET NUMBER : 6013(I4)
DATE OF ISSUE : 15/05/2003

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Issue No. 4

1. IDENTIFICATION OF PRODUCT & COMPANY

Product Group & Description

Product Group & Description

TH11 E30 GUN CLEANER

INTENDED USE

For Professional Use only
As an equipment cleaner.

SUPPLIER

J.W. Bollom & Co. Ltd.
The Bollom Group
PO Box 78, Croydon Road,
Beckenham,
Kent. BR3 4BL
Tele: 020 8658 2299
FAX: 020 8658 8672
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2. COMPOSITION/INFORMATION OF INGREDIENTS

Substances presenting a Health or Environmental hazard within the meaning of The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

A blend of organic solvents.

Substance Name	ENICS	CAS No	%age Range	Symbol letter	Risk Phrases(*)
METHANOL	200-578-6	64-17-5	>2.5% & =<10%	F	11
ISOPROPANOL	200-661-7	67-63-0	>1% & =<2.5%	Xi,F,	36-11-67
BUTANONE	201-159-0	78-93-3	>50% & =<75%	Xi,F,	36-66-67-11
ETHYL ACETATE	205-500-4	141-78-6	>1% & =<2.5%	Xi,F,	36-11-66-67
ISOBUTANOL	201-148-0	78-83-1	>2.5% & =<10%	Xi,,	37/38-41-10-67
2-METHYLPENTAN-2-OL	203-550-1	108-10-1	>1% & =<2.5%	Xn,Xi,F,	20-36/37-11-66
TOLUENE	203-625-9	108-88-3	>2.5% & =<10%	Xn,F	20-11
tert-BUTYL ACETATE	204-658-1	123-86-4	>2.5% & =<10%		10-66-67
ETHYLENE, MIXTURE OF ISOMERS	215-535-7	1330-20-7	>2.5% & =<10%	Xn,Xi,	20/21-38-10
DIAPHTHA PETROLEUM), HYDRODESULFURIZED HEAVY	265-185-4	64742-82-1	>2.5% & =<10%	Xn,N,,	65-51/53-10-66

*) for full text of Risk Phrases see Section 16 'Other Information' 16

Internal Ref. : TH11110000

HAZARDS IDENTIFICATION

Classification

- Highly Flammable
- Harmful

Risk Phrases

Highly Flammable
Harmful by inhalation and in contact with skin
Irritating to eyes
Repeated exposure may cause skin dryness or cracking.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Precautionary Phrases

For professional use only.

FIRST AID MEASURES

GENERAL	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
INHALATION	Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, give artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
EYE CONTACT	Remove contact lenses. Holding the eyelids apart, irrigate copiously with clean, fresh water for at least 10 minutes. Seek medical advice.
SKIN CONTACT	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.
INGESTION	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

RECOMMENDED

Alcohol Resistant Foam, Carbon dioxide, Dry Powder, Halogenated Hydrocarbons, Sand.

NOT TO BE USED

Water.

SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health.

Appropriate self-contained breathing apparatus may be required.

Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses.

ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude essential personnel. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

Contain and collect spillages with non-combustible absorbent materials, sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

Do not allow to enter drains or watercourses. If the product enters ditches or sewers, immediately contact the local water company; in the event of contamination of streams, rivers or lakes, contact the National Pollution Authority.

If possible, preferably with a detergent, avoid the use of solvents.

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STORAGE & HANDLING

Handling

Products are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of explosive or flammable mixtures and avoid vapour concentrations higher than the recommended Exposure Limit Values.

Do not use in areas where potential sources of ignition exist.

Electrical equipment should be protected to the appropriate standard. Use non-sparking tools.

Keep container tightly closed. Exclude sources of heat, sparks and open flames. Never use pressure to empty, container is not a pressure vessel.

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STORAGE & HANDLING (Continued)

ways keep in containers made of the same material as the supply container.
oid skin and eye contact. Avoid the inhalation of vapour and mist.
oking, eating and drinking should be prohibited in storage and use
eas. For Occupational Exposure Controls, see Section 8.
a product may charge electrostatically. Always use earthing leads when
ansferring from one container to another. Operators should wear
tatic footwear and clothing. Floors should be electrically
nductive.

orage
re in accordance with the conditions of the licence which is necessary
er the Petroleum (Consolidation) Act. See the HSE guidance note
orage of Flammable Liquids in Containers.
serve the label precautions. Store between 5 & 25°C in a dry well
tilated place away from sources of heat, ignition and direct sunlight.
smoking.
vent unauthorised access. Containers which are opened should be
roperly resealed and kept upright to prevent leakage.
e principles contained in the HSE's guidance note Storage of Packaged
erous substances should be observed when storing this product.
re separately from oxidising agents and strongly alkaline and strongly
dic materials.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

vide adequate ventilation. Where reasonably practicable this should
achieved by the use of local exhaust ventilation and good general
raction.

extraction methods are not sufficient to maintain concentrations of
vent vapours and/or particulates below relevant occupational Exposure
it Values, suitable respiratory protective equipment should be worn
a "Occupational Exposure Controls" below).

Exposure Limits

Substance Name	Occupational Exposure Limits				Notation
	8hr LTEL		15min STEL		
	ppm	mg/m3	ppm	mg/m3	
ANOL	1000.00	1900.00			OES
PROPANOL	400.00	999.00	500.00	1250.00	OES
ANONE	200.00	600.00	300.00	900.00	Sk OES
IL ACETATE	400.00	1400.00			OES
BUTANOL	50.00	154.00	75.00	231.00	OES

EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

METHYLPENTAN-2-ONE	50.00	205.00	100.00	410.00	Sk OES
LUENE	50.00	188.00	150.00	560.00	Sk OES
BUTYL ACETATE	150.00	724.00	200.00	966.00	OES
LENE, MIXTURE OF ISOMERS	50.00	220.00	100.00	441.00	Sk OES
PHTHA (PETROLEUM),	600.00				OES
DRODESULFURIZED HEAVY					

EL = Long Term Exposure Limit - 8 hour time weighted average
 EL = Short Term Exposure Limit - 15 minute reference period.
 tations = Sk - risk of absorption through skin Sen - respiratory
 nsitiser.
 tations = SK - Risk of absorption through skin SEN - Respiratory
 nsitiser Bmgv - Biological Monitoring may be appropriate (see
 ological Monitoring Guidance Value in EH40 Table 3)
 's are from EH40 except where marked SUP which are assigned by the
 plier of the substance.

Personal Protection

General Protection

personal protective equipment, including respiratory protective
 equipment, used to control exposure to hazardous substances must be
 ected to meet the requirements of the COSHH regulations.

Respiratory Protection

respiratory protective equipment should be worn when this product
 sprayed if the exposure of the sprayer or other people nearby cannot
 controlled to below the occupational exposure limit and engineering
 controls and methods cannot reasonably be improved.

Hand Protection

on skin exposure may occur, advice should be sought from glove
 pliers on appropriate glove types and usage times for this product.
 instructions and information provided by the glove supplier on use,
 rage, maintenance and replacement must be followed.
 rier creams may help to protect exposed areas of skin but are not
 stitutes for full physical protection. They should not be applied once
 osure has occurred.

Eye Protection

protection designed to protect against liquid splashes should be worn.

Body Protection

on or cotton/synthetic overalls or coveralls are normally suitable.

EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

Contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Regular skin inspection of users of this product is recommended. ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE	LIQUID	
FLASH POINT	< 0 °C	Method: Abel Apparatus to British Standard BS 2000 Pt.170
VISCOSITY		Method:
SPECIFIC GRAVITY	0.82-0.85 gms/cc	Method: Gravity Cup
WATER CONTENT	.83 Kgs/ltr	
RELATIVE DENSITY	HEAVIER than Air	
EXPLOSION LIMIT	.8 % Vol	
SOLUBILITY IN WATER	IMMISCIBLE	
VAPOR PRESS. (kPa @ 20C)	0.45-9.5	
BOILING POINT (Deg.C)	78	

STABILITY & REACTIVITY

Stable under the recommended storage and handling conditions (see Section 7). In case of fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Store away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of an exothermic reaction.

.. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes exposure and eye contact. See sections 3 and 15 for details of the resulting hazard classification.

Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and respiratory system and adverse effects on kidney, liver and central nervous system.

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Solvents may cause some of the above effects by absorption through the skin.

Repeated or prolonged contact with the product may cause removal of dermal fats from the skin, resulting in non-allergic contact dermatitis by absorption through the skin.

Particles in the eye may cause irritation and reversible local damage.

ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

LAPC requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

The product has been assessed following the conventional method in CHIP and is classified for ecological hazards accordingly. See Sections 2 and 15 for details.

See also sections 5, 6 and 13.

DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and Environmental Protection Act.

For information provided in this safety data sheet, advice should be obtained from the relevant environment agency whether the Special Waste Regulations apply.

14. TRANSPORT INFORMATION

Road/Rail UN No.....1263 Packing Group...2 Class.....3
Designation...PAINT RELATED MATERIAL

Sea Packing Grp.<=30lts.... Packing Grp.>30lts.....
Class.....
Marine Pollutant..... UN Number.....
Ems..... MFAG.....
Main Risk.....

Sub Risk.....

Shipping Name.

Air Packing Grp.<=30lts.... Packing Grp.>30lts.....
Class.....
UN/IATA ID Number.....
Main Risk.....

Sub Risk.....

Shipping Name.

International Packing Group..... Class.....
Rc ☒ Rail Item Number..... UN Number.....
Main Risk.....

Sub Risk.....

Shipping Name.

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations as follows.

Classification
F - Highly Flammable
Xn - Harmful

Internal Ref. : TH11110000

5. REGULATORY INFORMATION (Continued)

contains
OLUENE

Risk Phrases

Highly Flammable
Harmful by inhalation and in contact with skin
Irritating to eyes
Prolonged exposure may cause skin dryness or cracking.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases

Keep container tightly closed and in a well ventilated place.
Keep away from sources of ignition - No smoking
Do not breathe vapour or spray
Use only in well ventilated areas.
Wear suitable protective clothing, gloves and eye/face protection.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
In case of fire, use carbon dioxide, dry powder, halogenated hydrocarbons, sand or foam. Never use water!
Avoid release to the environment. Refer to special instructions/safety data sheet

Other Phrases

For professional use only.

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation.
The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

6. OTHER INFORMATION

Index of any Risk Phrases listed in Section 2

0	Flammable
1	Highly Flammable
0	Harmful by inhalation
0/21	Harmful by inhalation and in contact with skin
6	Irritating to eyes
6/37	Irritating to eyes and respiratory system.

16. OTHER INFORMATION (Continued)

R37/38 Irritating to respiratory system and skin.
R38 Irritating to skin
R41 Risk of serious damage to eyes.
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.
R67 Vapours may cause drowsiness and dizziness.

Date of last revision 17/04/03
New issue results from changes in Section(s) 2-3-8-15

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:-

The Control Of Substances Hazardous to Health Regulations 1999 (SI 1999:437)

The Manual Handling Operations Regulations 1992 (SI 1992: 2793)

Storage of Flammable Liquids in Containers. HS(G)51

Storage of Packaged Dangerous Substances. HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1988: 2839)

COSHH Essentials: easy steps to control chemicals, HS(G)193. Details of available Control Guidance Sheets, which may be relevant to the particular conditions of use, can be found in HS(G)193.

Exclusion List for Printing Inks and Related Products 1999, CEPE (from BCF tel: 01372 360 660)

SBPIM's Safety and Handling of Printing Inks and Auxiliary Materials. (from BCF tel: 01372 360 660)

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6. OTHER INFORMATION

Product Group & Description

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