

SAFETY DATA SHEET ARBO CLEANER No. 16

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

PRODUCT NAME	ARBO CLEANER No. 16
APPLICATION	Cleaning agent
SUPPLIER	Adshead Ratcliffe & Co. Ltd. Derby Road, Belper Derbyshire. DE56 1WJ Tel. (+44) 01773 826661 Fax. (+44) 01773 821215 sds@arbo.co.uk
EMERGENCY TELEPHONE	(+44) 01773 826661 (office hours only)

2 HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

CLASSIFICATION Xi;R36. F;R11. R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PROPAN-2-OL	200-661-7	67-63-0	60-100%	F;R11 Xi;R36 R67

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and drink plenty of water (200-300 ml). Give milk instead of water if readily available. DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

EYE CONTACT

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: Alcohol resistant foam. Powder. Dry chemicals, sand, dolomite etc.

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

May explode in a fire. May develop highly toxic or corrosive fumes if heated. May travel considerable distance to source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers.

6 ACCIDENTAL RELEASE MEASURES

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PERSONAL PRECAUTIONS

Wear appropriate protective clothing. Avoid inhalation of vapours and contact with skin and eyes. Do not smoke, use naked flames or other sources of ignition. Ventilate area to dispel any residual vapours.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Small quantities may be flushed to drains with plenty of water.

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

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide sufficient ventilation during operations which cause vapour formation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

HYGIENE MEASURES

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	MELTING POINT (°C)	~ -88
COLOUR	Colourless	VAPOUR PRESSURE	31.2 mm Hg @ 20°C
ODOUR	Slight odour of alcohol	AUTO IGNITION	>400
BOILING POINT (°C)	79 - 82	TEMPERATURE (°C)	
RELATIVE DENSITY	0.785 - 0.825 @ 20°C	FLAMMABILITY LIMIT - UPPER(%)	12.7
FLASH POINT (°C)	12 (Open cup)		
FLAMMABILITY LIMIT - LOWER(%)	2.5		

10 STABILITY AND REACTIVITY

ARBO CLEANER No. 16**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Strong oxidising substances.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 5840 mg/kg (oral rat)

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause stomach pain or vomiting.

SKIN CONTACT

Prolonged contact may cause dryness of the skin. May cause skin irritation/eczema

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l 9600 (fathead minnows)

EC 50, 48 Hrs, DAPHNIA, mg/l > 1000 / 24 hours

IC 50, 72 Hrs, ALGAE, mg/l 1800

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

WASTE CLASS

H3A(i) - Highly flammable

H4 - Irritant

Recommended EWC Code 14 06 03*

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME	ISOPROPANOL		
UN NO. ROAD	1219	ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.	ADR PACK GROUP	3(b)
HAZARD No. (ADR)	33	ADR LABEL NO.	3
HAZCHEM CODE	2YE	CEFIC TEC(R) NO.	544
RID CLASS NO.	3	RID PACK GROUP	3(b)
UN NO. SEA	1219	IMDG CLASS	3.2
IMDG PAGE NO.	3244	IMDG PACK GR.	II
EMS	3-06	MARINE POLLUTANT	No.
UN NO. AIR	1219	AIR CLASS	3
AIR PACK GR.	II		

15 REGULATORY INFORMATION**LABELLING**

ARBO CLEANER No. 16



Irritant



Highly Flammable

RISK PHRASES

- R11 Highly flammable.
- R36 Irritating to eyes.
- R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

- S16 Keep away from sources of ignition - No smoking.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S51 Use only in well-ventilated areas.
- S60 This material and its container must be disposed of as hazardous waste.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

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

16 OTHER INFORMATION

REVISION COMMENTS

Revised sections: 2, 3, 13,

REVISION DATE 09/07/08

REV. NO./REPL. SDS GENERATED 19/07/05

SDS NO. 10019

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

- R11 Highly flammable.
- R36 Irritating to eyes.
- R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.