

## **RAPID DRYING BRAKE CLEANER**

**Product Code: WORDB**

### **DESCRIPTION**

HIGHLY ECONOMICAL

A specially formulated general purpose cleaning solvent, which may be used to clean vehicle brakes and clutches effectively. The fluid will remove dirt, grease, brake fluid and dust from the linings of brakes and clutches. This product is of low toxicity, leaves no residue and does not cause corrosion of metals. It is safe to use on polyethylene, GRP, Zinc Silicates, Epoxy and Polyurethane Coatings. It is not suitable for internal hydraulic parts and may have an adverse effect on natural and butyl rubber, neoprene, Buna N, Vinyl Coatings, P.V.C. and Polystyrene.

### **DIRECTIONS**

**WARNING. HIGHLY FLAMMABLE.** Do not smoke whilst using. Keep away from sources of ignition. Apply by spray or brush. Remove loosened grease and dirt. Re-apply as necessary. Dispose of used cloths safely in an outside-area.

When cleaning brakes, test brake operation after cleaning.

Highly Flammable (flaming torch symbol) bottom right or left hand corner.

### **HEALTH & SAFETY**

R11 Highly flammable.

Contains propan-z-ol, aliphatic hydrocarbon solvent and acetone.

24/25 Avoid contact with skin and eyes.

S25 Do not breathe vapour/spray.

S16 Keep away from sources of ignition-no smoking.

S46 If swallowed seek medical advice immediately and show this container or label.

S2 Keep out of reach of children.

### **CATEGORY**

WORKSHOP

U N PACKAGING GROUP III

## PRODUCT SAFETY DATA SHEET

### (1) IDENTIFICATION

Product: RAPID DRYING BRAKE CLEANER

Product code: WORDB

Supplier: Starbrite Chemicals, X L House, Rutherford Way, Crawley, West Sussex RH10 2PB

Tele: 01293 434250

### (2) COMPOSITION/INFORMATION ON INGREDIENTS

#### INGREDIENT NAME

Aliphatic Hydrocarbon solvent blend

CAS NO.	HEALTH (class)	RISK (R No.)	CONTENTS %
64742-89-8	None	None	>50

Propan-2-ol

CAS NO.	HEALTH	RISK	CONTENTS
67-63-0	None	10-25	

Acetone

CAS NO.	HEALTH	RISK	CONTENTS
67-64-1	None	01-25	

### (3) HAZARDS IDENTIFICATION

EYE CONTACT: Irritating to eyes.

SKIN CONTACT: Slight skin irritant. Prolonged or repeated contact can cause dermatitis.

INHALATION: High levels of vapour/mist may cause dizziness. Can cause irritation of the respiratory tract.

INGESTION: Single dose oral toxicity is low. Aspiration may cause rapid absorption via lungs, resulting in injury to other body systems.

### (4) FIRST AID MEASURES

EYE CONTACT: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding eyelids apart, and 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. If in doubt, seek medical advice.

INHALATION: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

INGESTION: If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### (5) FIRE FIGHTING MEASURES.

Extinguishing media: Alcohol resistant foam; CO<sub>2</sub>; powder; water spray/mist.

Do not use :Water jet.

Special fire fighting procedures: Fire exposed containers should be sprayed with water to lessen risk of explosion.

Usual fire and explosion hazards: Fire will produce dense black smoke containing combustion products which may be a health hazard. Appropriate self-contained breathing apparatus may be required. Run off from fire must not enter drains.

### (6) ACCIDENTAL RELEASE MEASURES

Procedures for leaks or spillage: Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Section 7 & 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with waste regulations (see Section 13).

Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

### (7) HANDLING & STORAGE

Handling: Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

Use only in areas from which all sources of heat, sparks and open flame have been excluded.

Avoid skin and eye contact.

Avoid inhalation of vapour and spray mist.

Smoking, eating and drinking should be prohibited in areas of use and storage.

Storage: Store below 50 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Observe the label precautions.

Store separately from strong oxidising agents and strongly alkaline and strongly acidic materials.

Containers which are opened should be properly resealed and kept upright to prevent leakage.

### (8) EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### INGREDIENT NAME

Aliphatic Hydrocarbon solvent blend

OES/MEL	8hr TWA	10min STEL
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OES	400ppm(Sup)	Propan-2-ol
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OES/MEL	8hr TWA	10min STEL
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OES	400ppm	500ppm
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Acetone

OES/MEL	8hr TWA	10min STEL
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OES	750ppm	1500ppm
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Engineering measures: Provide adequate ventilation to maintain the flammable vapour concentration well below the lower explosive limit (LEL) and ensure the airborne concentration of substances to which an OES has been assigned is below that OES (Occupational Exposure Standard).

Respiratory protection: Air-fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and measures cannot reasonably be improved.

Hand protection: When skin exposure may occur, advice may be sought from the glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection: Eye protection designed to protect against liquid splashes should be worn.

Skin protection: Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed (Sk) denotes product can be absorbed through skin.

### (9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.

Appearance: Colourless.

Odour: Hydrocarbon.

pH 1% in water (typical): Not applicable.

Boiling point: 56 °C

Melting Point: 0 °C

Flash point: -18 °C

Flammability: LEL 0.9 (% vol in air @ 25 °C)

UEL 13.0

Autoflammability: >230 °C

Explosive properties: None.

Oxidising properties: None.

Can pressure : bar.  
Relative density: 0.708  
VOC content: 708 g/L  
Solubility-Water: Insoluble  
Solubility-Solvent: Soluble in aliphatic hydrocarbons.  
Other data:

#### (10) STABILITY AND REACTIVITY

Stability: Stable.  
Conditions to avoid: Avoid naked flames, red hot surfaces, other high temp. sources that may induce thermal decomposition.  
Incompatibility (Materials to avoid): Oxidising agents, strong acids, strong alkalis.  
Hazardous decomposition products: In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

#### (11) TOXICOLOGICAL INFORMATION

INGREDIENT	LD50(Animal/oral)
Aliphatic Hydrocarbon solvent blend	.5g/Kg (Rat)
INGREDIENT	LD50(Animal/oral)
Propan-2-ol	5.8g/Kg(Rat)
Acetone	9.75g/Kg(Rat)

There is no data available on the product itself.

Exposure to organic solvent vapours may result in adverse health effects on the renal and central nervous systems. Symptoms can include headache, dizziness, fatigue, muscular weakness, drowsiness and extreme cases, loss of consciousness. Aliphatic hydrocarbon solvent in this product will cause temporary irritation to eyes. Irritation to skin caused by its defatting action may lead to dermatitis. Inhalation of high concentrations of vapour will produce headache, nausea and vomiting and in extreme cases coma. Ingestion will produce nausea and vomiting, diarrhoea, drowsiness and pulmonary oedema. Propan-2-ol causes slight to moderate irritation with possible corneal injury in the eyes. The liquid can penetrate the skin and cause dermatitis on prolonged exposure. Low concentrations may cause mild irritation of eyes, nose and throat.

Concentration above the OES may cause headaches, nausea and vomiting. Skin is unlikely to be irritated on brief or occasional exposure; prolonged contact may produce irritation and dermatitis. High vapour concentration irritate the respiratory tract, are anaesthetic, and may cause headaches and dizziness, and depress the central nervous system leading to unconsciousness. Ingestion may cause gastro-intestinal irritation and CNS depression leading to unconsciousness.

#### 12. 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.  
The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.  
Aliphatic hydrocarbon solvent in this product has low bio-accumulation potential, is not acutely toxic to aquatic organisms and has good biodegradability.  
Acetone has no bio-accumulation potential, it is not acutely toxic to aquatic organisms and has good biodegradability.

#### (13) DISPOSAL

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.

Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.

#### (14) TRANSPORT INFORMATION

CCCN: 3402 90 90  
UN No.: 1993  
IMDG:3230

Class: 3.2

ICAO/IATA:

RID/ADR:

#### (15) REGULATORY INFORMATION

Label for supply: HIGHLY FLAMMABLE

Risk phrases: None

Safety phrases:

2: Keep out of the reach of children.

16: Keep away from sources of ignition - No Smoking.

23: Do not breathe vapour/spray.

46: If swallowed seek medical advice immediately and show this container or label.

Regulatory references: The Chemicals (Hazard Information and Packaging) Regulations 1993.

#### (16) OTHER INFORMATION

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and 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.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. OES/MEL values are obtained from the current issue of EH40 unless indicated thus (Sup) when a value has been obtained from the supplier.

Further information and advice can be found in the following publications:

The Control of Substances Hazardous to Health Regulations 1988 (UN 1988:1657)

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

Storage of Packaged Dangerous Substances, HS (G) 71

The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972 (UN 1972:917)

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

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. For further information contact the office.

Dated July 1995.

