

# SAFETY DATA SHEET

## BRAKE CLEANER VC52B 5LITRE

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

PRODUCT NAME                      BRAKE CLEANER VC52B 5LITRE

PRODUCT NO.                        000103070344

Van-Line Ltd  
Gelderd Road  
Leeds  
LS12 6NA  
0113 213 4300  
0113 213 4319  
contact@van-line.co.uk

**2 HAZARDS IDENTIFICATION**

Highly flammable. Vapours may cause drowsiness and dizziness. Harmful: may cause lung damage if swallowed. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 CLASSIFICATION (1999/45)            Xn;R65. Xi;R38. F;R11. N;R51/53. R67.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
NAPHTHA (PETROLEUM) , HYDROTREATED LIGHT	265-151-9	64742-49-0	60-100%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
PROPAN-2-OL	200-661-7	67-63-0	5-10%	F;R11 Xi;R36 R67

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

**4 FIRST-AID MEASURES**

**GENERAL INFORMATION**

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 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 CONTACT**

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

**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: 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 CLEAN UP 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 oxidisers, heat and flames. Keep containers tightly closed.

**STORAGE CLASS**

Flammable liquid storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
NAPHTHA (PETROLEUM) , HYDROTREATED LIGHT			1200 mg/m3			
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	

WEL = Workplace Exposure Limit.

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT**



**PROCESS CONDITIONS**

Provide eyewash station.

**ENGINEERING MEASURES**

No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.

**HAND PROTECTION**

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.

**HYGIENE MEASURES**

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. When using do not eat, drink or smoke. **DO NOT SMOKE IN WORK AREA!**

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Colourless
ODOUR	Characteristic
SOLUBILITY	Insoluble in water
RELATIVE DENSITY	<1.0 @ 20 °c
FLAMMABILITY LIMIT - LOWER(%)	0.9
FLAMMABILITY LIMIT - UPPER(%)	13.0

### 10 STABILITY AND REACTIVITY

**STABILITY**

Stable under normal temperature conditions.

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**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

**11 TOXICOLOGICAL INFORMATION**

**INHALATION**

Vapours may cause headache, fatigue, dizziness and nausea. 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 CONTACT**

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.

**EYE CONTACT**

Irritating to eyes. Irritation, burning, lachrymation, 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**

**ECOTOXICITY**

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 waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**



PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (NAPHTHA (PETROLEUM) , HYDROTREATED LIGHT, PROPAN-2-OL)
UN NO. ROAD	1993
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II
TUNNEL RESTRICTION CODE	(D/E)
HAZARD NO. (ADR)	33 Highly flammable liquid (flash-point below 23°C).
HAZARD No. (ADR)	33
ADR LABEL NO.	3
HAZCHEM CODE	•3YE
UN NO. SEA	1993
IMDG CLASS	3
IMDG PACK GR.	II
EMS	F-E, S-E
UN NO. AIR	1993

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AIR CLASS 3  
 AIR PACK GR. II

**15 REGULATORY INFORMATION**

LABELLING



Harmful



Highly Flammable



Dangerous for the environment

CONTAINS

NAPHTHA (PETROLEUM) , HYDROTREATED LIGHT

RISK PHRASES

R11	Highly flammable.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R65	Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S16	Keep away from sources of ignition - No smoking.
S24	Avoid contact with skin.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S2	Keep out of the reach of children.
S23	Do not breathe vapour/spray.

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 1999/45/EC.  
 System of specific information relating to Dangerous Preparations. 2001/58/EC.

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.  
 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 DATE 28/10/2011

REV. NO./REPL. SDS GENERATED 9

RISK PHRASES IN FULL

R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

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### DISCLAIMER

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