

SAFETY DATA SHEET

Brake Cleaner

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

Trade Name - Brake Cleaner

Supplier: Chemical Solutions
42 Kennel Lane
Fetcham
Surrey KT22 9PJ
0870 2408893

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components Conc. CAS Risks EINECS

IPA 30-40% 67-63-0 F;R11 Xi;R36 R67 200-661-7

Naphtha (petroleum), Hydrotreated Light 30-40% 64742-49-0 F;R11 Xi;R38 N;R51/53 Xn;R65 R67 265-151-9

Butane 10-20% 106-97-8 F+;R12 203-448-7

3. HAZARDS IDENTIFICATION

Most important hazards Extremely flammable. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.

Eye contact Irritating to eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Inhalation Irritating to respiratory system. Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough. Move to fresh air. Consult a physician after significant exposure.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Consult a physician if necessary. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Carbon dioxide (CO₂).

Specific hazards Extremely flammable. Burning produces obnoxious and toxic fumes. Flash back possible over considerable distance. Vapours may form explosive mixture with air.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation. Use personal protective equipment.

Remove all sources

of ignition. Evacuate personnel to safe areas.

Environmental precautions

Do not let product enter drains. Prevent further leakage or spillage.

Methods for cleaning up

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Ensure adequate ventilation or exhaust ventilation in the working area. Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from sources of ignition - No smoking.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep away from food, drink and animal feedingstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

Propan-2-ol WEL 8-hr limit ppm: 400

WEL 15 min limit ppm: 500

WEL 8-hr limit mg/m³: 999

WEL 15 min limit mg/m³: 1250

Butane WEL 8-hr limit ppm: 600

WEL 15 min limit ppm: 750

WEL 8-hr limit mg/m³: 1450

WEL 15 min limit mg/m³: 1810

Engineering measures Ensure adequate ventilation, especially in confined areas.

Respiratory protection Wear self contained breathing apparatus for fire fighting if necessary.

Hand protection PVC or other plastic material gloves.

Eye protection Goggles.

Skin and body protection Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description Aerosol.

Colour Colourless.

Odour Hydrocarbon-like.

Flash point -20°C

Water solubility slight.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Conditions to avoid Heat, flames and sparks.

Materials to avoid Incompatible with oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

General Information Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR/RID

Packing group - Class 2

Hazard ID - Proper shipping name

AEROSOLS

UN-No 1950

IMDG-Code

UN-No 1950 **Packing group -**

Class 2 Marine pollutant .

EmS F-D S-U

IATA-DGR

UN-No 1950 **Packing group -**

Class 2 Sub-risks see SP63

15. REGULATORY INFORMATION

Labelling The product is classified and labelled in accordance with Directive 1999/45/EC. The product is classified in accordance with Annex VI to Directive 67/548/EEC.

Symbol(s) F+ - Extremely flammable; Xi - Irritant; N - Dangerous for the environment

R-phrase(s) R12 - Extremely flammable.

R36/38 - Irritating to eyes and skin.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 - Vapours may cause drowsiness and dizziness.

S-phrase(s) S 2 - Keep out of the reach of children.

S16 - Keep away from sources of ignition - No smoking.

S23 - Do not breathe gas/fumes/vapour/spray.

S24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29 - Do not empty into drains.

S37 - Wear suitable gloves.

S51 - Use only in well-ventilated areas.

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

16. OTHER INFORMATION

Text of R phrases

mentioned in Section 2

R11 - Highly flammable.

R12 - Extremely 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.

R65 - Harmful: may cause lung damage if swallowed.

R67 - Vapours may cause drowsiness and dizziness.

Further information The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is

designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.