

Material Safety Data Sheet

MSDS B7770 STAINLESS STEEL CLEANER

Revised 03.08.10



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

PRODUCT NAME: Bondloc B7770
MANUFACTURER: Bondloc UK Limited,
Bewdley,
Worcestershire
DY12 2TZ
Emergency Info: +44 (0)1299 269 269

2: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS	Risks	Range
Aliphatic Hydrocarbon	64742-89-8	R45, 65	30-50%
Mineral oil	8042-47-5		10-20%
Surfactant blend			<3%
Butane	106-97-8	F, R12	10-25%
Propane	74-98-6	R12	10-25%

3: HAZARDS IDENTIFICATION

This is an aerosol product - use only in well ventilated areas. The contents are flammable and maybe harmful by deliberate prolonged inhalation or ingestion. Hydrocarbon propellant is an asphyxiant if there is insufficient ventilation. This would constitute abuse of the product. Always wash hands after use. Repeated exposure may cause skin dryness or cracking. Keep in a safe place away from children.

Flammable - pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not spray onto a naked flame or any incandescent material, hot surface or unprotected electrical equipment.

Do not breathe spray mist. Vapours may cause drowsiness and dizziness.

Do not spray near eyes. Irritating to eyes. Always read container warnings.

4: FIRST-AID MEASURES

First Aid for Inhalation:

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

First Aid for Skin Contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do not use solvents or thinners. Avoid sunlight or other sources of radiation.

First Aid for Eye Contact:

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding the eyelids apart, seek medical advice.

First Aid for Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

5: FIRE-FIGHTING MEASURES

Pressurised aerosols should not be exposed to temperatures exceeding 50°C. Above this, containers may explode and the resultant flammable mixture will burn to produce CO₂.

Use water to cool undamaged stock only. Avoid contamination of the water courses where damaged stock is leaking.

Extinguishing Media: CO₂, BCF, dry powder, sand and earth.

For larger fires use foam, water fog or spray, avoiding contamination.

Positive pressure breathing apparatus should be used.

6: ACCIDENTAL RELEASE MEASURES

Initial spillage would be flammable. Spillage is unlikely in large quantities with an aerosol product. Keep damaged containers away from sources of ignition and in well ventilated areas.

Environmental precautions

In the concentrations within 1-1000 cans the components would not present an environmental hazard as most of the product would quickly evaporate, leaving only the residue.

Cleaning

In small quantities any liquid should be absorbed into a suitable media, such as sand and disposed of safely. The residue should be washed away with soapy water, though staining should be expected.

7: HANDLING AND STORAGE

Handling Handle carefully. In general handling aerosols should not be considered as hazardous.

Storage Always store aerosols away from sources of heat, including direct sunlight and in dry conditions. Avoid extremes of temperature and moisture. A stable, cool and dry ambient environment is most suitable. Avoid contamination with other products. The containers will not last indefinitely even when stored in a cool dry area, they should be inspected periodically during long term storage. Note containers warnings.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Supplier recommends 600ppm totally hydrocarbon based on composition. As with all aerosols, the products should only be used in well-ventilated areas, but responsible use is not potentially harmful.

Respiratory protection

If ventilation is not possible, then suitable respiratory protection is essential if there is a risk of solvent vapour concentrations. Use organic/inorganic vapour filters. Vapours may cause drowsiness or dizziness.

Hand protection

Repeated exposure may cause skin cracking or dryness, gloves may be required.

Eye protection

Avoid spraying near eyes. Irritating to eyes. If there is a risk of eye contact wear glasses, goggles or a face shield.

Skin protection

Repeated exposure may cause skin cracking or dryness, covering of exposed skin may be required.

In general the aerosol product is a convenient and safe method of supply. Only in continuous or repeated usage conditions should personal protective measures be required or exposure controls considered.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Colourless
Odour	Solvent
Boiling point / range	<60°C
Melting point	>-20°C
Flash point	<50°C
Flammability	Flammable liquid
Auto flammability	Not know for blend
Relative density	0.75Kg/m3
Solubility	Not soluble in water

10: STABILITY AND REACTIVITY

The container is inherently stable under instructed conditions for a reasonable period of time (at least 24-36 months). Avoid extremes of temperature, including direct sunlight and extreme freezing. Avoid exposure to moisture, which may cause container deterioration and pH, where acidity may damage container integrity.

Avoid contact with water, acids and high temperatures.

Container corrosion may occur with time and damaged containers should be disposed of before any danger is evident. Flammable, liquid contents should be considered generally not reactive.

11: TOXICOLOGICAL INFORMATION

This is designed for external use only. Essentially, when used in this aerosol form, there are no potential toxic effects. The data is as follows:

Aliphatic Hydrocarbon	no data available on the product.
Butane/Propane	The occupational exposure standard is 600ppm (1430mgm)

Used correctly in aerosol form, all components can be considered to have a low order of toxicity (LD50 oral rat 500mg/kg, skin 3000mg/kg). Deliberate inhalation may cause severe pulmonary and breathing difficulty, dizziness, drowsiness (narcosis) and head aches (but this is unlikely is normal usage), and would constitute abuse.

Skin and eye irritation may result from continued exposure to vapours when used in areas of poor ventilation, or when working in close proximity to the spray for prolonged periods, and suitable steps should be taken to avoid such conditions.

Constituent products have shown no conclusive carcinogenic or mutagenic effects in long term tests.

12: ECOLOGICAL INFORMATION

This relates to the contents only, see disposal.

The product will evaporate quickly to the air leaving waxy residue. a colourless liquid, easily absorbed, will evaporate. The contents will present no other significant hazards, with no dangerous products arising from degradation.

Mobility will be slow.

Degradation will be relatively slow though ultimately almost complete.

Accumulation is unlikely once physical breakdown commences.

Short and long term effects should not be considered significant. Very short term damage to aquatic and soil organisms may occur in large spillage (1000+ containers) though this should disperse quickly (especially if absorbent material is used). No effects on plants or animals are indicated.

There is no ozone depletion, ozone creation or global warming potential. Water treatment plants would not be affected by small to medium volumes of this material.

13: DISPOSAL CONSIDERATIONS

Container should be disposed of in accordance with local regulations. Do not puncture or incinerate/burn even after use.

14: TRANSPORT INFORMATION

UN number: UN 1950
IMDG page 9022/2120
Hazard class 9 Miscellaneous dangerous goods. 2:1 for sea transport
UK Transport descipt Flammable aerosols
UK Transport class Miscellaneous goods

15. REGULATORY INFORMATION LABELLING

The COSHH regulations apply in the UK.
The CHIP regulations apply in the UK.
The environmental protection act regulations apply in the UK.

Symbols F+
Xi
N

Risk/Safety
F+ Flammable. Keep out of reach of children. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use. Do not spray onto a naked flame or any incandescent material.

R12 Extremely flammable
R45,65 May cause cancer, harmful. May cause lung damage if swallowed.
S53,56 Avoid exposure obtain special instructions before use, dispose of this material and its container to hazardous or special waste collection point.

16: OTHER INFORMATION

This is an aerosol product and should be used carefully.
If represents no greeter dangers than any other aerosol product and all regulations applicable are general industry guidelines. The information included is all that available for the component products at this time.

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.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is consider accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose.

makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will nor infringe any patent.