

Material Safety Data Sheet

Bondloc B7782 GASKET REMOVER

Revised 03.08.10

BONDLOC[™]
FORMULAS THAT WORK

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

PRODUCT NAME: Bondloc B7782
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
Dichloromethane	75-09-2	R40	30-60%
Ethanol	64-17-5	F, R11	1-5%
Butane	106- 97-8	F- R12	10-30%
Propane	74-98-6	F, R12	10-30%
Non hazardous Ingredients			1-5%

3: HAZARDS IDENTIFICATION

THIS IS AN AEROSOL PRODUCT - USE ONLY IN WELL-VENTILATED AREAS.

The contents are NON-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.

PRESSURISED CONTAINER Protect from sunlight and do not expose to temperatures exceeding 50 degrees 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

INHALATION: Asphyxiation by butane would precede any toxicological effects of the active elements. Remove the patient to fresh air and treat symptomatically.

SKIN CONTACT: Wash with soap and water. Mild irritation may occur. Repeated contact may cause skin dryness and cracking.

EYE CONTACT: NEVER USE AEROSOLS NEAR EYES/MUCOUS MEMBRANES. Flush with copious quantities of water. Seek medical advice. Product is classified as irritating to eyes.

INGESTION: Unlikely. May cause nausea and discomfort. Carry out a gastric lavage to reduce discomfort. The contents would tend to be absorbed by the body with no significant effects, particularly in these concentrations. Treat symptomatically. Seek medical advice and show the container.

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 or earth.

For larger fire use alcohol resistant foam, water fog or spray, avoiding contamination.

POSITIVE PRESSURE BREATHING APPARATUS SHOULD BE USED.

6: ACCIDENTAL RELEASE MEASURES

INITIAL SPILLAGE. Spillage is unlikely in large quantities with an aerosol product. Keep damaged containers away from sources of ignition and in well ventilated areas. Contents may cause staining and it should be expected that marks will not be able to be removed.

Environment. 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, 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 container warnings.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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 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	Colourless liquid
Odour	Chlorinated solvent
Boiling point	39°C
Melting point	<-30°C
Flash point	Not flammable
Flammability	Not flammable
Autoflammability	400°C
Relative density	1.3 kg/m ³
Solubility	Insoluble 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 sudden impacts, which may damage container integrity.

Avoid contact with water, acids, 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:

DICHLOROMETHANE	MEL 100ppm – 8hr TWA
ETHANOL	TWA (8hr exposure limit) 1920mg/m ³
BUTANE/ PROPANE	The Occupational Exposure Standard is 600ppm (1430 mgm)

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 headaches (but this is unlikely in 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. A colourless liquid, easily absorbed, will evaporate and leave a greasy film. The film 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

The container should be totally discharged and disposed of as hazardous waste. SEE CONTAINER WARNINGS. I.e. do not puncture or incinerate/burn, even after use. Dried material is non-hazardous.

14: TRANSPORT INFORMATION

UN NUMBER: UN 1950
IMDG page 9022/2120

HAZARD CLASS: Class 2.2 or Class 9 Miscellaneous Dangerous Goods. 2.1 For Sea Transport.

UK TRANSPORT DESCRIPTION: FLAMMABLE AEROSOLS (capacity less than 1 litre) LIMITED QUANTITIES.

UK TRANSPORT CLASSIFICATION: MISCELLANEOUS GOODS

(Note: ADR-for road transport in UK aerosols are classified as non-hazardous-treat as Class 9. For sea or air transport these goods should be classified as Class 2.2 (non-flammable aerosols). This is because more than 50% by weight of the contents are non-flammable).

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

RISK/SAFETY PHRASES:

F Highly flammable

R11 Highly flammable

R12 Extremely flammable

S (2) 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. (Aerosol safety phrases).

S7 Keep container tightly closed

S9 Keep container in a well ventilated place

S16 Keep away from sources of ignition – no smoking

16: OTHER INFORMATION

Though technically classified as non-flammable, it is possible that a flame length may be supported. This is an aerosol product and should be used carefully.

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 considered accurate but is furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc 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 not infringe any patent.