

SDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE SDS FOR:

PRODUCT:

BC90 Brake and Clutch Cleaner

DATE:

22-Jan-15

(SDS date)

1. Manufacturer/Supplier:

Tradegear Ltd
Level 1, 99 Clarence Street
Riccarton
Christchurch 8011
New Zealand
Phone: 0800 22 44 34 or +64 3 331 6517
Fax: 0800 22 11 51 or +64 9 522 8833
24 hr emergency contact: +64 21 510 624
Website: www.tradegear.co.nz
Email: office@tradegear.co.nz

Emergency Information:

National Poison Centre: 0800 764 766
Chemcall 24/7 Emergency Response Service: 0800 243 622

13. Disposal Considerations:

Product

Recommendation - Consult local or national regulations to ensure proper disposal.

Packaging

Disposal must be made according to official regulations.

16. Other Information:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



Certificate Number 768
ISO 9001

BC-90 Brake and Clutch Cleaner **SAFETY DATA SHEET**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	BC-90 Brake and Clutch Cleaner.
Trade Name	BC-90 Brake and Clutch Cleaner.
Part No.	1951
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)	Cleaning of metal components.
Uses advised against	Do not mix with other chemicals.

1.3 Details of the supplier of the Safety Data Sheet

Company Identification	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. WA11 9SF. 00 44 1942 713667 01942 716235 info@actioncan.com
Telephone	
Fax	
E-Mail (competent person)	
1.4 Emergency telephone number	
Emergency Phone No.	01942 713667 (Mon - Fri: 9am to 5pm)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)

Aerosol 1; Extremely flammable aerosol.
Pressurised container: May burst if heated.
Skin Irrit. 2; Causes skin irritation.
Eye Irrit. 2; Causes serious eye irritation.
STOT SE 3; May cause drowsiness or dizziness.
Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.



BC-90 Brake and Clutch Cleaner

2.2 Label elements

Product Name
Hazard Pictogram(s)

According to Regulation (EC) No. 1272/2008 (CLP)
BC-90 Brake and Clutch Cleaner.



GHS02

GHS07

GHS09

Signal Word(s)
Hazard Statement(s)

Danger.
H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing spray.
P280: Wear protective gloves/eye protection.
P302+P352: IF ON SKIN: Wash with plenty of water/Soap.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273: Avoid release to the environment.
Keep out of reach of children. Do not spray on a naked flame or any incandescent material. Do not pierce or burn, even after use. Protect from sunlight and do not expose to temperatures exceeding 50 °C/ 122 °F.

Additional Information

2.3 Other hazards

None.

2.4 Additional Information

For full text of H/P statements see section 16.



Certificate Number 768
ISO 9001

BC-90 Brake and Clutch Cleaner

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	% W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Naphtha (petroleum), hydrodesulfurized light, dearomatized	40 - 60	92045-53-9	295-434-2	01-2119666169-27-0000	GHS02, Flam. Liq. 1; H224, GHS07, Skin Irrit. 2; H315, STOT SE 3; H336, GHS08, Asp. Tox. 1; H304, GHS09, Aquatic Chronic 2; H411
Butane	30 - 40	106-97-8	203-448-7	01-2119474691-32-0000	GHS02, Flam. Gas 1; H220, GHS04, Press Gas: Liquefied gas; H280
Propan-2-ol	10 - 20	67-63-0	200-661-7	01-2119457558-25-0000	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336

3.2 Additional Information

For full text of H/P statements see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact

IF ON SKIN: Wash with plenty of water/Soap. If skin irritation occurs, get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation to skin and eyes.

May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.



BC-90 Brake and Clutch Cleaner

5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurised container: May burst if heated.

- | | |
|--|--|
| 5.1 Extinguishing Media
Suitable Extinguishing Media
Unsuitable Extinguishing Media | Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Do not use water jet. |
| 5.2 Special hazards arising from the substance or mixture | Heating may cause pressure rise with risk of bursting.
This product may give rise to hazardous fumes in a fire. |
| 5.3 Advice for fire-fighters | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep fire exposed containers cool by spraying with water. |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

- | | |
|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | Eliminate sources of ignition. Avoid breathing spray. Wear protective gloves/eye protection. Wash hands thoroughly after handling. |
| 6.2 Environmental precautions | Avoid release to the environment. |
| 6.3 Methods and material for containment and cleaning up | Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material.
Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty. |
| 6.4 Reference to other sections | See Also Section: 8, 13. |

7. SECTION 7: HANDLING AND STORAGE

- | | |
|--|---|
| 7.1 Precautions for safe handling | Provide adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing spray. Wear protective gloves/eye protection. Wash hands thoroughly after handling. |
| 7.2 Conditions for safe storage, including any incompatibilities
Storage Temperature
Storage Life
Incompatible materials | Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Do not expose to temperatures exceeding 50°C/ 122°F.
Stable under normal conditions.
Strong oxidising agents, Reducing agent |
| 7.3 Specific end use(s) | Cleaning of metal components. |

BC-90 Brake and Clutch Cleaner

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Butane	106-97-8	600	1450	750	1810	WEL
Propan-2-ol	67-63-0	400	999	500	1250	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection

Wear eye protection with side protection (EN166).



Skin protection (Hand protection/ Other)

Wear protective gloves.



Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Characteristic.
Odour Threshold	Not available.
pH	Not applicable.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	Not determined.
Flash Point	- 60 °C
Evaporation rate	Not applicable.
Flammability (solid, gas)	Extremely flammable.
Upper/lower flammability or explosive limits	0.6 – 8.5 Vol-%
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	0.69



Certificate Number 768
ISO 9001

BC-90 Brake and Clutch Cleaner

Solubility(ies)	~ 20% @ 20 °C
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	The product is not self-igniting.
Ignition temperature	240 °C
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Contains gas under pressure; may explode if heated.
Oxidising properties	Not oxidising.
9.2 Other information	None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reaction known if used for its intended purpose.
10.4 Conditions to avoid	Heat and direct sunlight
10.5 Incompatible materials	Strong oxidising agents, Reducing agent.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.1 Mixtures	
Acute toxicity	
Inhalation	May cause drowsiness or dizziness.
Irritation	Causes skin irritation. Causes serious eye irritation.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability	Readily biodegradable. Unlikely to persist.
12.3 Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4 Mobility in soil	Slightly soluble in: Water. The substance is predicted to have moderate mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.



Certificate Number 768
ISO 9001

BC-90 Brake and Clutch Cleaner

14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 1950
14.2	UN Proper Shipping Name	
	ADR/RID/IMDG	AEROSOLS.
	ICAO/IATA	AEROSOLS, Flammable.
14.3	Transport hazard class(es)	
	ADR/RID	2
	IMDG/ ICAO/IATA	2.1
14.4	Packing Group	None.
14.5	Environmental hazards	Classified as a Marine Pollutant.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	
14.8.1	IMDG Code	EmS: F-D, S-U
14.8.2	Tunnel Restriction Code	D

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
	REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP)	All chemicals are not listed.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
ADN	European transport by inland waterways
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ICAO	International transport by air
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
RID	European transport by rail
Aerosol 1	Aerosol Category 1



BC-90 Brake and Clutch Cleaner

Asp. Tox. 1	Aspiration hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment Chronic Category 2
Eye Irrit. 2	Serious eye damage/irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Flam. Gas 1	Flammable gas Category 1
Flam. Liq. 1	Flammable liquid Category 1
Flam. Liq. 2	Flammable liquid Category 2
Press. Gas	Gases under pressure

Hazard Statement(s) and Precautionary Statement(s)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P312	Call a POISON CENTER/doctor if you feel unwell.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to:
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Hazard Pictogram(s)

GHS02



GHS04



GHS07



GHS08



GHS09





Certificate Number 768
ISO 9001

BC-90 Brake and Clutch Cleaner

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

Action Can Ltd. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Action Can Ltd. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Annex to the extended Safety Data Sheet (eSDS)

No information available.