AC-90 Multipurpose CO^2 Non Flammable Propellant

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	AC-90 Multipurpose CO^2 Non Flammable Propellant.
Trade Name	AC-90 Multipurpose CO^2 Non Flammable Propellant.
Part No.	ACN7320050K, ACN7320180K (1850,1779)
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)

- Penetrate and release rusty/jammed fixings.
- Displaces water and moisture from vehicle ignitions systems and aids starting and smooth running.
- Cleans all metals and removes bloom from enamel surfaces.
- Degreases and leaves an anti-rust protective film.

Uses advised against: None known.

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.
Telephone	01942 713667
Fax	01942 716235
E-Mail (competent person)	info@actioncan.com

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 3; Pressurised container: May burst if heated.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name: AC-90 Multipurpose CO^2 Non Flammable Propellant.

Hazard pictogram(s)



GHS09

Signal word(s): Warning.

Hazard statement(s):
H411: Toxic to aquatic life with long lasting effects.
H229: Pressurised container: May burst if heated.

Precautionary statement(s):
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251: Do not pierce or burn, even after use.
P410+P412: Protect from sunlight. Do no expose to temperatures

Keep out of the reach of children.
exceeding 50°C/ 122°F.

2.3 Other hazards None.

2.4 Additional Information For full text of H/P phrases see section 16.

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), hydrotreated heavy	50 - 100	64742-48-9	265-150-3	None assigned	GHS08, Asp. Tox. 1; H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic	20 - 30	64742-65-0	265-169-7	None assigned	None
Carbon dioxide	1 - 10	124-38-9	204-696-9	None assigned	GHS04, Press. Gas: Liquefied gas; H280

3.2 Additional Information
For full text of H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation — Move person to fresh air.
Skin Contact — Wash affected skin with soap and water.
Eye Contact — Hold eye open and rinse slowly and gently with water for 15-20 minutes.
Ingestion — Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed None known.

4.3 Indication of any immediate medical attention and special treatment needed Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurised container: May burst if heated.

5.1 Extinguishing Media

Suitable Extinguishing Media — Extinguish preferably with dry chemical, sand or carbon dioxide.
Unsuitable Extinguishing Media — Do not use water jet.

5.2 Special hazards arising from the substance or mixture Heating may cause pressure rise with risk of bursting.
Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Oxides of nitrogen.

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. Ensure adequate ventilation. Stop leak if safe to do so.
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. Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Collect spillage. 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 pierce or burn, even after use.
7.2	**Conditions for safe storage, including any incompatibilities**	Protect from sunlight. Store in a well-ventilated place.
	Storage Temperature	Do not expose to temperatures exceeding 50°C/ 122°F.
	Storage Life	Stable under normal conditions.
	Incompatible materials	Oxidizing agent, Strongly alkaline, Strongly acidic.
7.3	**Specific end use(s)**	• Penetrate and release rusty/jammed fixings. • Displaces water and moisture from vehicle ignitions systems and aids starting and smooth running. • Cleans all metals and removes bloom from enamel surfaces. • Degreases and leaves an anti-rust protective film.

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/m³)	STEL (ppm)	STEL (mg/m³)	Note
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	-	5	-	15	-
Carbon dioxide	124-38-9	5000	9150	15000	27400	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 — Not normally required.



Skin protection (Hand protection/Other) — Not normally required. Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection — No personal respiratory protective equipment normally required.



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	Brown.
Odour	Hydrocarbon.
Odour Threshold	Not established.
pH	Not applicable.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	Not available.
Flash point	40°C (bulk product before aerosol packing)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.82 (bulk product before aerosol packing)
Solubility(ies)	Insoluble in water. Soluble in: Aliphatic hydrocarbons
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	Not oxidising.

9.2 Other information

Can Pressure	3.4 bar
Volatile Organic Compound Content	75% by weight ±5%

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**	Stable under normal conditions.
10.4	**Conditions to avoid**	Heat and direct sunlight.
10.5	**Incompatible materials**	Oxidizing agent, Strongly alkaline, Strongly acidic.
10.6	**Hazardous Decomposition Product(s)**	Carbon monoxide, Carbon dioxide, Oxides of nitrogen.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	**Information on toxicological effects**	
11.1.1	**Mixtures**	
	Acute toxicity	Low acute toxicity. Naphtha (petroleum), hydrotreated heavy: Oral: LD50 (rat) > 5000mg/kg
	Irritation	Non-irritant.
	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**	Low toxicity to aquatic organisms.
12.2	**Persistence and degradability**	The product is readily biodegradable. Unlikely to persist.
12.3	**Bioaccumulative potential**	The product has potential for bioaccumulation. Naphtha (petroleum), hydrotreated heavy: The substance has potential for bioaccumulation.
12.4	**Mobility in soil**	Insoluble in water. The product is predicted to have low mobility in soil.
12.5	**Results of PBT and vPvB assessment**	Not classified as PBT or vPvB.
12.6	**Other adverse effects**	None.

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.

14. SECTION 14: TRANSPORT INFORMATION

14.1	**UN number**	UN 1950
14.2	**UN proper shipping name**	AEROSOLS.
14.3	**Transport hazard class(es)**	2.1
14.4	**Packing Group**	None.
14.5	**Environmental hazards**	Not 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	Limited Quantity (LQ)	Limited Quantity provisions apply.

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 XIV List of substances subject to 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.
	Community Rolling Action Plan (CoRAP); Draft 26/03/2014	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
Aerosol 3	Aerosol Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Press. Gas	Gases under pressure

Hazard statement(s)

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.

Hazard pictogram(s)

GHS04



GHS08



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Annex to the extended Safety Data Sheet (eSDS)

No information available.