AC-90 Multipurpose Lubricant

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 453/2010

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

1.1 Product identifier

Product Name	AC-90 Multipurpose Lubricant.
Trade Name	AC-90 Multipurpose Lubricant.
Part No.	1224, 1225, 1226
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

Directive 67/548/EEC & Directive 1999/45/EC

Flammable.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

According to Directive 67/548/EEC & Directive 1999/45/EC

Product Name	AC-90 Multipurpose Lubricant.
Hazard Symbol	None.
Risk Phrases	R10: Flammable. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66: Repeated exposure may cause skin dryness or cracking.

	Safety Phrases	S2: Keep out of the reach of children. S16: Keep away from sources of ignition - No smoking. S23: Do not breathe vapour/spray. S24: Avoid contact with skin. S37: Wear suitable gloves. S57: Use appropriate container to avoid environmental contamination.
2.3	**Other hazards**	May cause irritation to eyes and air passages.
2.4	**Additional Information**	None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Solvent naphtha (petroleum), medium aliph.	60 - 100	64742-88-7	265-191-7	None assigned	R10, Xi; R38,Xn; R65 N; R51/53
Distillates (petroleum), solvent-dewaxed heavy paraffinic	10 - 40	64742-65-0	265-169-7	None assigned	None

3.2 Additional Information

For full text of R phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	Move person to fresh air. If symptoms persist, obtain medical attention.
Skin Contact	Wash skin with soap and water. If symptoms persist, obtain medical attention.
Eye Contact	Remove contact lenses if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. Get medical attention.
4.2 Most important symptoms and effects, both acute and delayed	Inhalation: Dizziness, Irritation of the respiratory tract. Skin and Eye Contact: Irritation.
4.3 Indication of any immediate medical attention and special treatment needed	No special requirements.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1	**Extinguishing Media**	
	Suitable Extinguishing Media	In case of fire, use water spray, foam, dry powder or CO2 for extinction.
	Unsuitable Extinguishing Media	Water jet spray.
5.2	**Special hazards arising from the substance or mixture**	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.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment and emergency procedures**	Eliminate sources of ignition. Ensure adequate ventilation. Wear suitable gloves.
6.2	**Environmental precautions**	Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
6.3	**Methods and material for containment and cleaning up**	Cover spills with inert absorbent material. Transfer to a container for disposal.
6.4	**Reference to other sections**	See Also Section 7, 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1	**Precautions for safe handling**	Ensure adequate ventilation. The vapour is heavier than air and spreads along ground. May form explosive mixture with air particularly in enclosed spaces. Do not use on an engine whilst it is running. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Do not breathe vapour/spray. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
7.2	**Conditions for safe storage, including any incompatibilities**	Keep away from heat, sources of ignition and direct sunlight. Keep in a well ventilated place. Store in dry place.
	Storage Temperature	Do not expose to temperatures exceeding 50°C/ 122°F.
	Storage Life	Stable under normal conditions.
	Incompatible materials	Strong oxidising agents, 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
Solvent naphtha (petroleum), medium aliph.	64742-88-7	100	-	125	-	-
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	-	5	-	10	-

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. Wear protective eye glasses for protection against liquid splashes.



Skin protection (Hand protection/Other) — Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection — Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.



Thermal hazards — Not applicable.

8.2.3 Environmental Exposure Controls Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Golden.
Odour	Hydrocarbon.
Odour Threshold	Not established.
pH	Not applicable.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	140°C
Flash point	43°C
Evaporation rate	Not applicable.
Flammability (solid, gas)	Flammable.
Upper/lower flammability or explosive limits	1.0 – 6.0Vol-%
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.81 @ 20°C

	Solubility(ies)	Insoluble in water. Soluble in: aliphatic hydrocarbons.
	Partition coefficient: n-octanol/water	Not available.
	Auto-ignition temperature	>230°C
	Decomposition Temperature	Not available.
	Viscosity	Not available.
	Explosive properties	Not explosive.
	Oxidising properties	Not oxidising.
9.2	**Other information**	
	Volatile Organic Compound Content	65g/100ml

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**	Keep away from naked flames and hot surfaces.
10.5	**Incompatible materials**	Strong oxidising agents, 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

Ingestion	Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract. Solvent naphtha (petroleum), medium aliph: Oral: LD50 (rat) > 5000mg/kg
Inhalation	The vapour has anaesthetic properties and when inhaled at high concentrations, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination.
Irritation	Repeated exposure may cause skin dryness or cracking. May cause 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**	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
12.2	**Persistence and degradability**	Solvent naphtha (petroleum), medium aliph: Readily biodegradable.
12.3	**Bioaccumulative potential**	Solvent naphtha (petroleum), medium aliph: The substance has potential for bioaccumulation.
12.4	**Mobility in soil**	Insoluble in water.
12.5	**Results of PBT and vPvB assessment**	No information available.
12.6	**Other adverse effects**	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	**Waste treatment methods**	Disposal should be in accordance with local, state or national legislation.
13.2	**Additional Information**	Do not allow into any sewer on the ground, or into any body of water.

14. SECTION 14: TRANSPORT INFORMATION

14.1	**UN number**	UN1993
14.2	**UN proper shipping name**	FLAMMABLE LIQUID, N.O.S.
14.3	**Transport hazard class(es)**	3
14.4	**Packing Group**	III
14.5	**Environmental hazards**	No information available.
14.6	**Special precautions for user**	No information available.
14.7	**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	No information available.

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, PREPARATIONS AND ARTICLES	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP); Draft 11/11/2011	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
N	Dangerous for the environment.
Xi	Irritant
Xn	Harmful

Risk Phrases and Safety Phrases

R10	Flammable
R38	Irritating to skin.
R65	Harmful: may cause lung damage if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S43	In case of fire, use water spray, foam, dry powder or CO2 for extinction.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.

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Annex to the extended Safety Data Sheet (eSDS)

No information available.