

Printing date: 17.07.2011

# Safety Data Sheet

According to 1907/2006/EC, Article 31



Revision: Dec 2012

Trade name: AC-90 Multi-Purpose Lubricant

## 1. Identification of the substance/mixture and of the company/undertaking

**Product Identification:** AC-90 (Registered Trademark)

**Relevant identified uses:** Lubricant/Cleaner/Anti-Rust Fluid/Penetrant/Drives out Moisture

**Uses advised against:** Do not mix with other chemicals.

### Manufacturer

Action Can Ltd.

Dixon Close, Old Boston Trading Estate,  
Haydock, St Helens, England WA11 9SF

Further information obtainable from: [information@actioncan.com](mailto:information@actioncan.com)

Emergency email: [mikegarrity@actioncan.com](mailto:mikegarrity@actioncan.com)

## 2. Hazards identification

### Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



F+; Extremely Flammable

R12: Extremely Flammable



N Harmful to Aquatic Organisms may cause long-term effect in the Aquatic Environment

R52/53; Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment,

### Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### Label elements

#### Labeling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials.

#### Code letter and hazard designation of product:

F+ Extremely Flammable

N Harmful to Aquatic Organisms

#### Hazard-determining components of labeling:

Aliphatic Hydrocarbon Solvent

#### Risk phrases:

12 Extremely flammable

52/53 Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

#### Safety phrases:

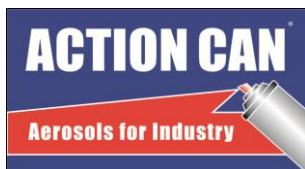
2 Keep out of the reach of children.

16 Keep away from sources of ignition- No smoking.

23 Do not breathe fumes /vapour/spray

38 In case of insufficient ventilation, wear suitable respiratory equipment.

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45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

53 Avoid exposure – obtain special instructions before use.

57 Use appropriate container to avoid environmental contamination.

### Special labeling of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

**Classification in accordance with Directive 75/324/EEC:** Extremely flammable

### Other hazards

### Results of PBT and vPvB assessment





**PBT:** Not applicable

**vPvB:** Not applicable

## 3. Composition/information on ingredients

### Chemical characterization: Mixtures

**Description:** Mixture of substances

<b>Dangerous components:</b>			
CAS: 64742-48-9 EINECS: 265-150-3	Aliphatic Hydrocarbon Solvent	R12, R52/53, R66  	50-75%
CAS: 106-97-8 EINECS: 203-448-7	Butane	 F+ R12	10-25%
CAS: 75-28-5 EINECS: 200-857-2	Isobutane	 F+ R12	10-25%

**Additional information:** For the wording of the listed risk phrases refer to section 16

## 4. First aid measures

### Description of first aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist consult doctor.

### Information for doctor:

**Most important symptoms and effects, both acute and delayed** No further relevant information available.

### Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5. Firefighting measures

### Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

### For safety reasons unsuitable extinguishing agents:

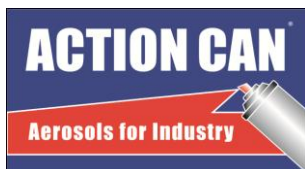
Water

Water with full jet

**Special hazards arising from the substance or mixture** No further relevant information available.

### Advice for firefighters

**Protective equipment:** Put on breathing apparatus



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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

### Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

### Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

### References to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. Handling and storage

### Handling:

#### Precautions for safe handling

Ensure good ventilation/extraction at the workplace.

#### Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

Keep respiratory protective device available.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

#### Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packaging's with pressurized containers.

#### Information about storage in one common storage facility: Not required.

#### Further information about storage conditions:

Keep receptacle tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

**Specific end use(s)** No further relevant information available.

## 8. Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

### Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

#### 106-97-8 butane

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm

Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm

**Additional information:** The lists valid during the making were used as basis.

### Exposure controls

#### Personal protective equipment:

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**General protective and hygienic measures:**

Wash hands before breaks and at the end of work.  
Store protective clothing separately.

**Respiratory protection:**

When spraying the product, use a respiratory protective device.  
Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

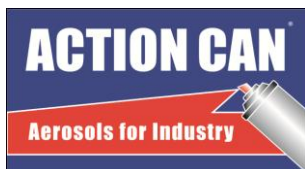
**Eye protection:**



Tightly sealed goggles and gloves advised for Industrial users.

**9. Physical and chemical properties**

Information on basic physical and chemical properties	
<b>General Information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Aerosol
<b>Colour:</b>	Light Brown
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Not determined
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
<b>Flash point:</b>	-60°C
<b>Flammability (solid, gaseous):</b>	Not applicable
<b>Ignition temperature:</b>	240°C
<b>Decomposition temperature</b>	Not determined.
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Heating may cause an explosion of aerosol cans
<b>Explosion Limits:</b>	
<b>Lower:</b>	0.6 Vol%
<b>Upper:</b>	8.5 Vol%
<b>Density:</b>	Not determined.
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Evaporation reate</b>	Not determined.
<b>Solubility in/ Miscibility with water:</b>	NOT MISCIBLE
<b>Segregation coefficient (n-octanol/water):</b>	Not determined.



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### 10. Stability and reactivity

#### Reactivity

**Chemical stability** – Stable under normal conditions

**Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions:** Strong oxidizing agents

**Conditions to avoid:** Do not mix with other chemicals.

**In compatible materials:** Oxidizing/reducing agents.

**Hazardous decomposition products:** In fires fumes & smoke will be given off.

### 11. Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

**on the skin:** Mild irritation.

**on the eye:** Mild irritation.

**Sensitization:** No sensitizing effects known.

### 12. Ecological information

#### Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** Will float on water surface only slightly biodegradable.

**Behavior in environmental systems:**

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Ecotoxicological effects:**

**Remark:** Toxic for fish

**Additional ecological information:**

**General notes:**

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

### 13. Disposal considerations

#### Waste treatment methods

##### Recommendation

Dispose of empty aerosols in regulated landfill site. Do not allow product to reach sewage system.

##### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.



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### 14. Transport information

#### Land transport ADR/RID (cross-border)



- ADR/RID class: 2 5F Gases.
- Danger code (Kemler): -
- UN-Number: 1950
- Packaging group: -
- Hazard label: 2.1
- Special marking: Symbol (fish and tree)
- UN proper shipping name: 1950 AEROSOLS
- Tunnel restriction code: D

#### Maritime transport IMDG:



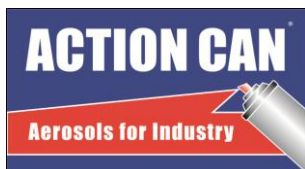
- IMDG Class: 2.1
- UN Number: 1950
- Label: 2.1
- Packaging group: -
- EMS Number: F-D,S-U
- Marine pollutant: No
- Proper shipping name: AEROSOLS

#### Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 2.1
- UN/ID Number: 1950
- Label: 2.1
- Packaging group: -
- Proper shipping name: AEROSOLS, flammable

- Special precautions for user Warning: Gases.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.



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### 15. Regulatory information

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulations:

R12, R52/53

S2, 16, 23, 38, 45

**Waterhazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

R10 Flammable.

R12 Extremely flammable.

R53/53 Harmful to aquatic organisms.

**Department issuing MSDS:** Marketing Department

**Contact:** [information@actioncan.com](mailto:information@actioncan.com)

**User Notes:** We believe that the statements, technical information and recommendations made herein are reliable. However the data is provided without warranty, expressed or implied. It is the user's responsibility both to determine safe conditions for use of this product and assume loss damage or expense, direct or consequential, arising for its use. Before using the product read information printed on label.

#### Revisions in s.3

##### Legal

##### Disclaimer:

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, warranty, guarantee or representations are made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.