

**Productname :** AS-90  
**Ref.Nr.:** UDS000734\_3\_20170629 (EN)

**Creationdate :** 29.06.17 Version : 2.0  
**Replaces:** UDS000734\_20160902

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**AS-90**  
Aerosol

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

Welding Products

### 1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.  
Wylds Road  
Castlefield Industrial Estate  
TA6 4DD Bridgwater Somerset  
United Kingdom  
Tel.: +44 1278 727200  
Fax.: +44 1278 425644  
E-mail : hse.uk@crcind.com

### 1.4. Emergency telephone number

(+44)(0)1278 72 7200 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

**Physical:** Aerosol, category 3  
Pressurised container: May burst if heated.  
Classification is based on test data.

**Health:** Skin irritation, category 2  
Causes skin irritation.  
Eye irritation, category 2  
Causes serious eye irritation.  
Carcinogenicity, category 2  
Suspected of causing cancer .  
Specific target organ toxicity - single exposure, category 3  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Specific Target Organ Toxicity - Repeated Exposure Category 2





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May cause damage to organs through prolonged or repeated exposure .  
 Classification based on calculation method.  
**Environment:** Not classified  
 Classification based on calculation method.

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

**Product identifier:** Contains:  
dichloromethane; methylene chloride

**Hazard pictogram(s):**  

**Signal word:** Warning

**Hazard statement(s):** H229 : Pressurised container: May burst if heated.  
 H315 : Causes skin irritation.  
 H319 : Causes serious eye irritation.  
 H351 : Suspected of causing cancer .  
 H335 : May cause respiratory irritation.  
 H336 : May cause drowsiness or dizziness.  
 H373 : May cause damage to organs through prolonged or repeated exposure .

**Precautionary statement(s):** P102 : Keep out of reach of children.  
 P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 : Do not spray on an open flame or other ignition source.  
 P251 : Do not pierce or burn, even after use.  
 P260 : Do not breathe dust/fume/gas/mist/vapours/spray.  
 P281 : Use personal protective equipment as required.  
 P308/313 : IF exposed or concerned: Get medical advice/attention.  
 P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 P501-2 : Dispose of contents/container to an authorised waste collection point.

## 2.3. Other hazards

No information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
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dichloromethane; methylene chloride	01-2119480404-41	75-09-2	200-838-9	60-100	Carc. 2, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3	H351,H315,H319,H336	
carbon dioxide	-	124-38-9	204-696-9	1-10	Press. Gas	H280	A,G
Highly refined low mineral oils/hydrocarbons	-	-	-	1-5	Asp. Tox. 1	H304	

**Explanation notes**

A : substance with Community workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)of REACH Regulation No 1907/2006

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with plenty of water Seek medical advice
<b>Contact with skin :</b>	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical attention if irritation persists
<b>Inhalation :</b>	Fresh air, keep warm and at rest. If breathing is difficult give oxygen Apply artificial respiration only if patient is not breathing Seek immediate medical attention
<b>Ingestion :</b>	Do not induce vomiting Rinse mouth with water (do not swallow) If swallowed seek medical advice immediately and show this container or label.

**4.2. Most important symptoms and effects, both acute and delayed**

<b>Inhalation :</b>	May cause irritation. High concentrations may cause narcotic effects. Symptoms : sore throat, cough, shortness of breath, severe breathing difficulties, headache
<b>Ingestion :</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : abdominal pain, dizziness, diarrhea, cough, headache
<b>Skin contact :</b>	May cause irritation. Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis Symptoms : redness and pain
<b>Eye contact :</b>	May cause irritation. Symptoms : redness and pain

**4.3. Indication of any immediate medical attention and special treatment needed**

<b>General Advice :</b>	If any symptoms should occur, seek medical advice. If you feel unwell, seek medical advice (show the label where possible) Methylene chloride is classified as carcinogenic Cat.2
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In case of repeated exposures, regular medical examination is advised

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

### 5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C  
Forms hazardous decomposition products  
CO,CO<sub>2</sub>,HCl  
chlorinated compounds

### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes  
Substance evolves toxic fumes, wear self-contained breathing apparatus

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing and gloves.

### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

### 6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material  
Wash spill site with water and detergent

### 6.4. Reference to other sections

For further information see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat and sources of ignition



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Take precautionary measures against static discharges  
 Equipment should be earthed  
 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
 Use only non-sparking tools.  
 Do not breathe aerosols or vapours.  
 Ensure adequate ventilation  
 Avoid contact with skin and eyes.  
 Wash thoroughly after use  
 Wear protective gloves/protective clothing/eye protection/face protection.

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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
 Keep in a cool, dry, well ventilated place  
 Keep out of reach of children.

## 7.3. Specific end use(s)

Welding Products

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Exposure limits :

Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
carbon dioxide	124-38-9	TWA	9000 mg/m3
		STEL	1800 mg/m3
dichloromethane; methylene chloride	75-09-2	TWA	100 ppm
		STEL	200 ppm
<b>National established exposure limits, United Kingdom</b>			
carbon dioxide	124-38-9	TWA	5000 ppm
		STEL	15000 ppm
dichloromethane; methylene chloride	75-09-2	TWA	100 ppm
		STEL	300 ppm

## 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation  
 Keep away from heat and sources of ignition

**Personal protection :** Take precautions to avoid contact with skin and eyes when handling the product.  
 Ensure adequate ventilation

**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.

**hands and skin :** Wear suitable protective gloves  
 The breakthrough time of the glove should be longer than the total duration of



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product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.  
Recommended gloves: (butyl rubber)  
**eyes :** Wear safety eyewear according to EN 166.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

**Apperance : physical state :** Liquid.  
**colour :** Yellow.  
**odour :** Characteristic odor.  
**pH :** Not applicable.  
**Boiling point/range :** Not available.  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** Not available.  
**lower limit :** Not available.  
**Vapour pressure :** Not available.  
**Relative density :** 1.295 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** Not available.  
**Viscosity :** Not available.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent



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## 10.6. Hazardous decomposition products

CO,CO<sub>2</sub>,HCl  
traces of chlorine and phosgene

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**acute toxicity:** based on available data the classification criteria are not met  
**skin corrosion/irritation:** Causes skin irritation.  
**serious eye damage/irritation:** Causes serious eye irritation.  
**respiratory or skin sensitisation:** based on available data the classification criteria are not met  
**germ cell mutagenicity:** based on available data the classification criteria are not met  
**carcinogenicity:** Suspected of causing cancer .  
**toxicity for reproduction:** based on available data the classification criteria are not met  
**STOT-single exposure:** May cause respiratory irritation.  
May cause drowsiness or dizziness.  
**STOT repeated exposure:** May cause damage to organs through prolonged or repeated exposure .  
**aspiration hazard:** based on available data the classification criteria are not met

### Information on likely routes of exposure:

**Inhalation :** May cause irritation.  
High concentrations may cause narcotic effects.  
**Ingestion :** After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.  
**Skin contact :** Irritating to skin  
**Eye contact :** Irritating to eyes

### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
dichloromethane; methylene chloride	75-09-2	LD50 oral rat	> 2000 mg/kg
		LD50 derm.rat	> 2000 mg/kg

May cause damage to organs through prolonged or repeated exposure .  
Methylene chloride is classified as carcinogenic Cat.2

## SECTION 12: Ecological information

### 12.1. Toxicity

Not classified

### Ecotoxicological data:



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Hazardous ingredient	CAS-nr.	method	
dichloromethane; methylene chloride	75-09-2	IC50 algae	> 662 mg/l
		LC50 fish	193 mg/l
		EC50 daphnia	27 mg/l

#### 12.2. Persistence and degradability

No information available

#### 12.3. Bioaccumulative potential

No information available

#### 12.4. Mobility in soil

Insoluble in water

#### 12.5. Results of PBT and vPvB assessment

No information available

#### 12.6. Other adverse effects

No information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Product :** This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

### SECTION 14: Transport information

#### 14.1. UN number

UN-number : 1950

#### 14.2. UN proper shipping name

Proper shipping name: AEROSOLS

#### 14.3. Transport hazard class(es)





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Class: 2.2  
Subsidiary risk: 6.1  
ADR/RID - Classification code: 5T

#### 14.4. Packing group

Packing group: Not applicable.

#### 14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No  
IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally hazardous: No

#### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)  
IMDG - Ems: F-D, S-U  
IATA/ICAO - PAX: 203  
IATA/ICAO - CAO: 203

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

### SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.  
Regulation (EC) No 1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)  
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation hazard statements: 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.



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	H351 : Suspected of causing cancer .
REVISIONS IN CHAPTRE :	8.2. Exposure controls
acronyms and synonyms:	TWA = time weight average
	STEL = short time exposure limit
	VOC = volatile organic compounds
	PBT = persistant bioaccumulative toxic
	vPvB = very persitant very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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