C.H.I.P. HEALTH AND SAFETY DATA SHEET
ROEBUCK RB4 – WELDING ANTI-SPATTER AEROSOL

1. IDENTIFICATION OF SUBSTANCE/COMPANY:

PRODUCT NAME: ROEBUCK RB4 – WELDING ANTI-SPATTER AEROSOL

PART NUMBER: 31-6613

INTENDED USE & SPECIFICATION: RB4 is formulated to prevent the adhesion of spatter during the welding process. Thus preventing the requirement for grinding the weld free of spatter with the possibility of surface damage. Also suitable for protecting jigs/clamps/and nozzles.

MANUFACTURER:
Action Can Ltd.,
Dixon Close,
Old Boston Trading Estate,
Haydock, St. Helens,
Merseyside. WA11 9SF
Tel: 01942 713667 Fax: 01942 716235

SUPPLIER:
Buck|Hickman in One
Siskin Parkway East
Middlemarch Business Park
Coventry
CV3 4FJ
Tel: 02476 306444 Fax: 02476 514214

2. INFORMATION ON INGREDIENTS/COMPOSITION NON-HAZARDOUS INGREDIENTS MAY NOT BE LISTED:

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS NO:</th>
<th>EINECS NR:</th>
<th>RISK PHRASES</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>204-696-9</td>
<td>-</td>
<td>1-8%</td>
</tr>
<tr>
<td>Dichloromethane</td>
<td>75-09-2</td>
<td>200-838-9</td>
<td>Xn R40 Carc 3</td>
<td>Balance</td>
</tr>
</tbody>
</table>

The full text for all risk phrases are listed in Section 15/16.

3. HAZARDS IDENTIFICATION:

Limited evidence of a carcinogenic effect Cat 3.

Repeated exposure may cause skin dryness/irritation.

SECONDARY HAZARDS

Inhalation may cause dizziness/nausea/upper respiratory irritation.
Eye contact may cause irritation/redness.
Ingestion may cause irritation/nausea/vomiting.
Vomiting may cause product to enter lungs which may cause chemical pneumonia.
4. **FIRST AID MEASURES:**

**SKIN:**
Wash skin with soap and water seek medical attention if irritation occurs.

**EYES:**
Ensure contact lenses are removed, rinse eyes with clean cold water or eye rinse fluid, ensure to lift eyelids to flush product from underside of eyelids, continue to rinse until irritation subsides (10-15 mins). Seek Medical attention if discomfort continues.

**INGESTION:**
Accidental ingestion is an unlikely event. Deliberate ingestion call a doctor. Do not induce vomiting, rinse mouth with water and give water or milk to drink if person is not unconscious.

**INHALATION:**
Ensure airway is clear and free from any obstruction. Move person to fresh air at once. If breathing is difficult properly trained personnel may assist affected person by administering 100% oxygen. Keep person warm and at rest, seek medical attention if breathing stops or shows signs of failing apply mouth to mouth ventilation.

5. **FIRE FIGHTING MEASURES:**

Essentially, the product is non-flammable. However, aerosol cans exposed to fire can burst, due to large pressure increases within the aerosol. In the event of fire, remove if possible all unaffected product away from risk.

Cool stocks of unburning product with water mist to reduce the possibility of aerosol cans exploding.

**DO NOT USE WATER**
Special exposure hazard - Fire will produce smoke containing combustion products which may be a health hazard. Appropriate self-contained breathing apparatus may be required. Avoid run off from fire entering fresh water drainage system.

6. **ACCIDENTAL RELEASE MEASURES:**

**PROCEDURES FOR LEAKS OR SPILLAGE:**
Place leaking aerosol cans in a bucket or similar container.


ENVIRONMENTAL PRECAUTIONS - Do not allow to enter drains or water courses. Soak up large spills with sand and place in a suitable container for later disposal in accordance with local waste regulations.

**METHOD OF CLEANING UP SPILLS:**
Contain and collect spills with absorbent materials sand/earth/vermiculite/diatomaceous earth. Place in a suitable container for disposal.

In the event of a large scale spill resulting from transport collision. Exclude vehicles, contaminated surfaces will be very slippery. Affected areas should be covered in sand/sawdust or suitable absorbent.

Do not wash or rinse into the environment or drains, later remove contaminated absorbent to waste disposal site.

Marine spills should be dealt with in accordance with pollution control procedures relevant to the products classification.

7. **HANDLING AND STORAGE:**

**HANDLING:**
Vapours are heavier than air and may spread along floors.

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ROEBUCK RB4 WELDING ANTI-SPATTER AEROSOL (No. of Pages 6)
Avoid skin and eye contact.
Avoid inhalation of vapour and spray mist.
Smoking, eating and drinking should be prohibited in areas of use and storage.
READ DIRECTIONS FOR USE PRINTED ON EACH UNIT OF ISSUE.

STORAGE:
Store below 50°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
NO SMOKING.
Observe the label precautions.
Store separately from strong oxidising agents and strongly alkaline and strongly acidic materials.
SPECIFIC USES - SEE SECTION ONE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

INGREDIENT NAME: OES/MEL 8HR TWA
Dichloromethane - 100 ppm
Carbon Dioxide - 5000 ppm

ENGINEERING MEASURES:
Provide adequate ventilation to maintain the vapour concentration well below the OES ensure the airborne concentration of substances to which an OES has been assigned is below the OES (Occupational Exposure Standard).
REFER TO EH40/2002.

RESPIRATORY PROTECTION/VENTILATION:
Provide adequate local exhaust ventilation. No specific respiratory protection recommendations are made, but respiratory protection must be used if the general level exceeds the OES Stated.

HAND PROTECTION:
Hand protection is advised when skin is in regular contact with RB4. Factory/industrial users are advised to wear non-porous protective gloves, solvent resistant variety advised.

EYE PROTECTION:
Avoid spray from aerosols entering eyes. Safety Glasses are advised for Factory/Industrial users of the product.

SKIN PROTECTION:
Wear appropriate clothing to prevent the possibility of RB4 contact with skin. Do not place cleaning cloths contaminated with RB4 into overall pockets.

HYGIENIC WORK ROUTINES:
Do not smoke in the work area or when using RB4. Wash hands/face at the end of each shift and before eating/smoking/using toilet. Remove promptly any clothing contaminated with RB4 and wash skin to remove traces of product. Do not eat or drink when using RB4.

ENVIRONMENTAL EXPOSURE CONTROLS:
Dispose of material contaminated with RB4 in accordance with local waste disposal regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: Liquid contained in steel aerosol canister.
APPEARANCE: Brown liquid.
ODOUR: Hydrocarbon.
pH: Not applicable.
SOLUBILITY (WATER): Insoluble.
SOLUBILITY (SOLVENT): Soluble in aliphatic hydrocarbons.

ACCIDENTAL RELEASE INTO THE ENVIRONMENT SEE SECTION 6.

10. STABILITY AND REACTIVITY:

STABILITY: Stable.
CONDITIONS TO AVOID: Naked flames, red hot surfaces, other high temperature sources that may induce thermal decomposition.
INCOMPATIBILITY (Materials to Avoid): Oxidising agents, strong acids, strong alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS: In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION:

Suspected carcinogen for humans.
There is no data available on the specific product itself.
Exposure to solvent vapours may result in adverse health effects on the renal and central nervous systems.
Symptoms can include: headache, dizziness, fatigue, muscular weakness, drowsiness, in extreme cases, loss of consciousness.
Splashes in the eyes may cause irritation and reversible local damage.
Solvent vapour in high concentrations can cause intoxication, headache, nausea, and in extreme cases, coma.
Ingestion may cause irritation of mouth, throat and digestive tract causing vomiting and abdominal pain.

12. ECOLOGICAL INFORMATION:

There is no data available on the product itself.
The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
The Air Pollution Control requirements of Regulations made under the Environmental Protection Act may apply to the use of this product.
Solvent is likely to bio-accumulate. Solvent is non-toxic to fish although it may effect small organisms by smothering in the aquatic environment.

MOBILITY - RB4 is water insoluble. RB4 will spread over surface water and will slowly evaporate and slowly biodegrade. RB4 in soil will be absorbed by the upper layers and will biodegrade slowly.

REFER TO SECTION 6 FOR ENVIRONMENTAL RELEASE MEASURES.

13. DISPOSAL CONSIDERATIONS:

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.
Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with Regulations made under the Control of Pollution Act.
Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.

EMPTY AEROSOL CANS SHOULD NOT BE PUNCTURED OR INCINERATED. BURY IN LANDFILL IN ACCORDANCE WITH LOCAL REGULATIONS AND HAVING DUE REGARD TO ENVIRONMENTAL PROTECTION LEGISLATION.

14. TRANSPORT INFORMATION:

NOTES: EXEMPT FROM CONTROL AS LIMITED PROVISIONS APPLY
LABEL FOR CONVEYANCE: FLAMMABLE GAS
UK ROAD TRANSPORT CLASS: 2.2
UK ROAD PACK GR: N/A
ADR CLASS NO: 2 GASES; COMPRESSED, LIQUEFIED, DISSOLVED UNDER PRESSURE.
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15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:
RISK PHRASES: R-40 Limited evidence of carcinogenic effect
SAFETY PHRASES:  
S2 Keep out of the reach of children.
S23C Do not breathe vapour/spray.
S24 Avoid contact with skin.
S37 Wear suitable gloves.
S51 Use only in well ventilated areas.

Chemical Hazard Information and Packing Regulations 1993.
Control of Pollution (Special Waste Regulations) 1980.
Chemicals Hazard (Information and Packing) Regulations.
Classification and Labelling of Substances and Preparations Dangerous for supply.
Occupational Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
C.H.I.P. for everyone HSG (108).

16. OTHER INFORMATION:

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of work-place risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for purposes other than those shown in Section 1. without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

OES/MEL values are obtained from the current issue of EH40 unless indicated thus (Sup) when a value has been obtained from the supplier.

We believe the statements/technical information and recommendations contained herein are reliable. However, the information is provided without warranty expressed or implied. It is the users responsibility both to determine safe conditions for use of this product and assume loss damage or expense direct or consequential arising from use of this product. Before use always read the product label and H & S text.

Further information and advice can be found in the following publications:

THE CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS 1988 (SI 1988 : 1657)
CHIP.SAM ROEBUCK RB4 WELDING ANTI-SPATTER AEROSOL  (No. of Pages 6)
STORAGE OF PACKAGED DANGEROUS SUBSTANCES HS(G)71.
STORAGE OF FLAMMABLE LIQUIDS IN CONTAINERS HS(G)51.

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.

FOR FURTHER INFORMATION CONTACT ACTION CAN TECHNICAL DEPARTMENT. Tel: 01942 713667