

Head Office : 32 Industrial Avenue Thomastown, Victoria 3074

AUSTRALIA

Mail : PO Box 199, Reservoir, Victoria 3073

AUSTRALIA
Telephone : (03) 9359 5811
Facsimile : (03) 9359 4076
E-mail : info@cagroup.com.au

Reference No.: R601

Product Name: Baker's Soldering Fluid

MATERIAL SAFETY DATA SHEET

Section 1 : IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: BAKER'S SOLDERING FLUID
Other Names: Radiant No.2 Soldering Fluid
Recommended Use: A general purpose Soldering Fluid

Supplier's / Manufacturer's

Name: Consolidated Alloys

Address: 32 Industrial Avenue, Thomastown, Victoria 3074, AUSTRALIA

Telephone No.: (03) 9359 5811

Emergency No.: (03) 9359 5811 – Business Hours only

0439 062 480 – After Hours (24Hrs)

Poisons Information Centre

Victoria

Telephone No.: 131126

Section 2 : HAZARD IDENTIFICATION

Hazard Classification according to criteria of Worksafe Australia.

Risk Phrase(s) R22 Harmful if swallowed.

R34 Causes burns.

R36/38 Irritating to skin and eyes.
R41 Risk of serious damage to eyes.

Safety Phrase(s) S1/2 Keep locked up and out of the reach of children.

S7 Keep container tightly closed.

S13 Keep away from food, drink and animal feeding stuffs.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes rinse immediately with plenty of water and

seek medical advise.

In the event of contact with skin wash immediately with plenty of water.

In the case of an accident or you feel unwell, contact a doctor or Poisons

immediately (show the label where possible)

S62 If swallowed do not induce vomiting: seek medical advice immediately

and show this container and label.

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Section 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity Proportion CAS Number

 Zinc Chloride
 30-60%
 7646-85-7

 Ammonium Chloride
 <10%</td>
 12125-02-9

 Hydrochloric Acid
 <2%</td>
 7647-01-0

 Water
 Balance
 7732-18-5

Section 4 : FIRST AID MEASURES

Description of necessary measures according to route of exposure.

Ingestion: DO NOT induce vomiting. If poisoning occurs, contact a doctor or Poisons

Information Centre. If conscious, give water to rinse out mouth and drink. Provide

liquid slowly but as much as casualty will drink.

Eye: If contact with eyes occurs, hold eyes open, flood with water for at least 15 minutes

and see a doctor without delay.

Skin: Immediately wash away with plenty of soap and water. Remove ALL contaminated

clothing. If swelling, redness blistering or irritation occurs seek medical advice.

Inhalation: First aid is unlikely to be required from normal use. However, if combustion products

are inhaled remove to fresh air. Keep warm and rested. If breathing is shallow or has

stopped, ensure clear airway and apply resuscitation. Seek medical advice.

Medical Attention and Special

Treatment:

Treat symptomatically. For ingestion consider gastric lavage.

Additional information

Medical Conditions Aggravated

Caused by Exposure:

No chronic effects have been reported in humans from normal industrial use. Neither zinc nor ammonium chloride has been listed by the

International Agency for Research on Cancer as either human or animal

carcinogens.

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: FIRE FIGHTING MEASURES Section 5

Extinguishing Media: Water spray or fog, Foam, Dry Chemical Powder, Carbon Dioxide.

Hazardous Combustion Products: Not combustible. However, heating to decomposition produces toxic fumes of

hydrogen chloride, ammonia, nitrogen oxides and zinc oxides.

Special Protective Equipment: Fire fighters should wear self contained breathing apparatus if risk of exposure

to products of decomposition.

Additional information Fire fighting procedure- Alert Fire Brigade tell them location and nature of

> hazard. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove

containers from path of fire.

HAZCHEM CODE: 2X

: ACCIDENTAL RELEASE MEASURES Section 6

> **Emergency Procedures:** Personnel involved in the clean up should wear full protective clothing.

Methods and Materials for Containment and Clean Up Procedures

Small Spills / Leaks: Wash with plenty of water.

Large Spills / Leaks: Environment Hazard: contain spillage. Absorb spillage with inert material

such as sand or vermiculite. Collect residues and seal in labelled drum for disposal. Spread area with lime and leave for at least 1 hour before washing. Wash area with large quantities of water and prevent run off into drains and waterways. If the product does enter a waterway, advise the

EPA or your local waste management authority.

For Personal Protective Equipment (PPE) - refer to Section 8 of this MSDS (if required)

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Section 7 : HANDLING AND STORAGE

Precautions for Safe Handling: Ensure an eye bath and safety shower are available and ready for use.

Telephone

Facsimile E-mail

Observe good personnel hygiene practices and recommended procedures.

Wash thoroughly after handling.

Conditions for Safe Storage: Store and handle in accordance with the requirements of the Dangerous

Goods, (storage and handling) Regulations for Class 8 Substances (Part 10). This material is a Schedule 6 Poison and must be packaged and labelled in accordance with the Drugs, Poisons and Controlled Substances

Act and Regulations. Store in a cool, dry, well ventilated place.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards – as regulated by: Worksafe Australia

Chemical Name ES – TWA ES - STEL ES – Peak

Zinc Chloride (Fume) 1mg/m³ 2 mg/m³ Ammonium Chloride (Fume) 10 mg/m³ 20mg/m³

Hydrogen Chloride 5 ppm Peak Limitation

Biological Limit Values No data available.

Engineering Controls: If irritating fumes of hydrogen chloride are given off, use with local exhaust

ventilation.

Personal Protective Equipment (PPE)

Eye / Face Protection: Wear chemical goggles or full face mask. Contact lenses pose a special

hazard; soft lenses may absorb irritants and all lenses concentrate them.

Skin Protection: Wear safety footwear, overalls and PVC gloves and apron.

Respiratory Protection: If inhalation risk remains (unlikely), wear a particulate/gas respirator

complying with AS 1716. Use in accordance with AS 1715.

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Consolidated Alloys

A Division of C.A. Group Australasia Pty. Ltd. ABN 83 005 084 097 ACN 005 084 097

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: PHYSICAL AND CHEMICAL PROPERTIES Section 9

Appearance: Liquid. Colour: Colourless

Odour: Nil Vapour Pressure: N/A Vapour Density: N/A

Boiling Point / Range: 100 - 105 ºC

Melting Point: N/A Solubility in Water: N/A Specific Gravity: 1.32 Flash Point: N/A :Hq 3.9

For Flammable Limits (as a percentage volume in air)

Lower Explosion Limit: N/A Upper Explosion Limit: N/A Ignition Temperature: N/A Specific Heat Value: N/A Particle Size: N/A Volatile Organic Compounds (VOC) Content N/A **Evaporation Rate:** N/A Viscosity: N/A Percent Volatile: N/A Octanol/Water partition coefficient: N/A Saturated Vapour Concentration: N/A Additional Characteristics N/A Flame Propagation/Burning Rate of Solid

Materials: N/A

Properties of material that may initiate or contribute to fire intensity: N/A

Potential for Dust Explosion: N/A Reactions that Release Flammable Gases: N/A Fast or Intensely Burning Characteristics: N/A

Non-Flammables that could contribute unusual

hazards to a fire: N/A

Release of invisible flammable vapour and

gases: Nil Decomposition Temperature : N/A

Additional Information

Molecular Weight: N/A Solubility: N/A

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Section 10 : STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions of use and storage.

Conditions to Avoid: Avoid excessive heat and direct sunlight.

Incompatible with oxidising agents, acids and alkali. Incompatible Materials:

Hazardous Decomposition Products: No data available. Hazardous Reactions: No data available.

Section 11: TOXICOLOGICAL INFORMATION

For Zinc Chloride: Acute oral LD₅₀ (Rat): 350 mg/kg. Toxicity Data:

Ingestion: The liquid is corrosive and harmful to the gastro-intestinal tract. An unlikely

route of entry from industrial use.

Eye: The liquid is irritating and corrosive to the eyes and is capable of causing

severe damage with loss of sight. On eye contact this product will cause

tearing, stinging, blurred vision and redness.

Skin: Corrosive and capable of causing burns to the skin with prolonged contact.

Inhaled: Not an inhalation risk at normal temperatures. At soldering temperatures

minor respiratory tract irritation may occur due to hydrochloric acid fumes.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to marine organisms and expected to be fatal unless concentration is

very low.

Persistence / Degradability: No data available. No data available. Mobility: **Environmental Fate:** No data available. Bioaccumulative Potential: No data available.

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Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of in accordance with all local, state and federal regulations at an

approved waste disposal facility.

E-mail

Special Precautions for Landfill or

Incineration:

No data available.

The Disposal Considerations mentioned above applies to the material / product described in this MSDS as manufactured. Further processing, use, or contamination of the product may make the information inappropriate, inaccurate or incomplete.

Section 14: TRANSPORT INFORMATION

UN Number: 1760

CORROSIVE LIQUID, N.O.S. **UN Shipping Name:**

Dangerous Goods Class: Packing Group: Ш

Special Precautions / Requirement: Handle with care.

HAZCHEM Code:

Additional Information -

Material for Export: N/A

Section 15: REGULATORY INFORMATION

Poison Schedule Number: 6 EPG: 8A1 AICS Name: N/A NZ Toxic Substance N/A

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ection 16 : OTHER INFORMATION	
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AND INVESTIGATION. CONSOLIDATIMPLIED AND ASSUMES NO RESPO	ET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION FED ALLOYS PROVIDES NO WARRANTIES, EITHER EXPRESSED OR INSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE DATA ATERIAL USE IS BEYOND THE CONTROL OF SUPPLIER.
End of MSDS	

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