

RUSTMASTERS PTY LTD

39 PINE AVENUE
ULONG N S W 2450
PH 02 66545422 FAX 02 66545322

www.rustmasters.com.au
email dick@rustmasters.com.au
Date Of Issue 2 July 2011

MATERIAL SAFETY DATA

Rustmaster Alucoat

1. IDENTIFICATION

Product Name:	ALUCOAT
Other Names	
Un Number (Resin Component):	1263
Un Number (Aluminium Component):	1325
Dangerous Goods:	Class 3.2
Hazchem Code:	2y
Poisons Schedule:	None Allocated
Packaging Group:	111 Pack Size And
Packaging Type	1ltr - 4ltr - 20ltr cans
Manufacturer Product Code:	CPS-AC

Uses:

Main use of "Alucoat" is as a highly reflective exterior-finishing coat. The recommended systems are "Rustmaster" and "Alucoat": or "Rustmaster", "Primecoat" and "Alucoat". Its main uses are as a finishing coat for farm tanks, structural steel work, roofs, gates, fencing, trailers, heat stacks and fire blackened walls etc. For further information on uses and application methods please refer to our *Product Data Sheets* and literature.

1.1 PHYSICAL DESCRIPTIONS/PROPERTIES

Appearance: Is A Low Viscosity, Bright Silvery Liquid When Mixed. It Possesses A Low Mild Odour Characteristic Of White Spirit.

Formula:

Boiling Point:	150 -195°C	Melting Point:	N/A
Vapour Pressure:	<10mm Hg At 25°C	Specific Gravity:	1.05 (water 1)
Flash Point:	37°C	Flammability Limits:	%V/V Lower 0.8% Upper 6.0%
Autoflammability	>150°C	Explosion Hazard:	NIL
Evaporation Rate:	>16 {N.Butyl Acetate 1}	Odour Threshold:	560MG/M3
PH:	6 At 25°C	Volatility:	50% -60%

Solubility: Soluble In Most Hydrocarbons, Ester, Ketones And Ethers, Limited Solubility In Alcohols.

Solubility In Water: For All Purposes, "Alucoat" Is insoluble in Water. *At room temperature it will however, slowly react with water to form Hydrogen Gas. At greatly elevated temperature this reaction will be accelerated*

Reactivity: *At Room Temperatures "Alucoat" will react slowly with water, weak acids and weak alkali with the formation of hydrogen gas. At greatly elevated temperatures fine aluminium powder can form aluminium oxide and aluminium nitride in the air with the possibility of combustion. With Chlorine, Fluorine, Bromine And Iodine spontaneous ignition may occur.*

CHEMICAL	CAS. NO	UN NO.	PROPORTION
Aluminium	None Assigned	N/A	30-60%
Drying Alkyd	68459-31-4	1993	30-60%
Drying Oils	None Assigned	N/A	10-29%
White Spirit	8042-47 -5	1300	30-60%
Solvesso 100	64742-95-6	1268	1-9%
Butanol	71-36-3	1120	<1 %
Additives	None Assigned	N/A	<1%

2. HEALTH HAZARD INFORMATION

2.1 Health Effects –Acute

Swallowed:

Short term exposure to inhalation and ingestion is considered to be harmful. Non toxic acceleration of saliva glands and exes of saliva and irritation to a smell degree will be experienced if ingested. Headache and dizziness may occur.

Skin:

Contact with skin may result in irritation. Will have degreasing effect on the skin. Repeated or prolonged skin contact may lead to dermatitic effects. Can be absorbed through the skin. Remove as soon as possible.

Eyes:

May be an eye irritant.

Inhalation:

Vapour may be irritant to mucous membranes and respiratory tracts. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness and possible death.

Ingestion:

As with any chemical, ingestion, inhalation and prolonged or repeated skin contact, it should be avoided by good occupational work practice. It can result in nausea and vomiting.

2.2 First Aid

Swallowed:

Lie patient on side to allow expectoration/saliva flow. Do Not induce vomiting. Give milk or water. Seek medical attention. Relocate patient to well ventilated area.

Skin:

Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation re-occurs, seek medical advice.

Eyes:

Irrigate with copious quantities of clean fresh water for at least fifteen (15) minutes. Seek medical assistance if irritation persists or any residue remains.

Inhalation:

Remove patient from exposure; avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothes. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical assistance if effects persist.

Ingestion:

Give milk or water to ease mild airway irritation. DO NOT INDUCE VOMITING. Seek immediate medical assistance.

Advice to Doctors:

Treat symptomatically based on judgement of doctor and individual reactions of patient.

Toxicity:

No LD50 data available for product. Indications are that the toxicity is related to the solvent phase. They may irritate skin, eyes and respiratory system. Inhalation of high vapour concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness and possible death.

3. PRECAUTIONS FOR USE**3.1 Exposure Standards:**

No value assigned for this specific material by the National Health and Medical Research Council.

The TLV data for the solvent constituents are:

White Spirit	TLV 100 ppm; 525mg/m ³
Solvesso	TLV 50 ppm; 250mg/m ³
Butanol	TLV 50 ppm; 790mg/m ³

TLV is the time weighed average concentration of the work atmosphere for a normal eight (8) hour work day and a forty (40) hour work week to which nearly all workers may be repeatedly exposed day after day, without adverse effect.

3.2 Ventilation:

Use with adequate ventilation. Vapours are heavier than air; prevent concentration in hollows and sumps. DO NOT enter confined spaces where vapour may have collected.

3.3 Engineering Controls:

"Alucoat" can be applied by brush, roller, airless or conventional spray. Ensure ventilation is adequate to maintain air concentration below exposure limits. Containers which are expanded must be treated with extreme care. Lid can be punctured with non-sparking tools to release pressure. Cover top with material before puncturing.

3.4 Personal Protection:

Whilst "Alucoat" is a low mild irritant it is advisable to take the following precautions for personal protection and safety.

1. When handling "Alucoat" use approved PVC/rubber gloves and wrap-around eye protection.
2. When spraying, wear dust masks and wrap-around eye protection.

3.5 Flammability:

FLAMMABLE, All potential sources of ignition (open flames, pilot lights, furnaces, and spark producing switches and other electrical equipment) must be eliminated both in and near the work area. DO NOT SMOKE.

4 SAFE HANDLING INFORMATION.**4.1 Storage / Transport:**

Not to be loaded with flammable gases (class 2.1) in bulk, poisonous gases (class 2.3), spontaneously combustible substances (class 4.2) or oxidising agents (class 5). Store away from sources of heat or ignition. Keep containers closed at all times when not in use. When used outside, store in shaded area.

4.2 Packaging / Labelling

Un Number (Resin Component):	1263
Un Number (Aluminium Component):	1325
Dangerous Goods:	Class 3.2
Hazchem Code:	2y
Poisons Schedule:	None Allocated
Packaging Group:	111

4.3 Spills and Disposal

Spills

Shut off all possible sources of ignition. Contain, using sand or earth (excess spillage) absorbs with sawdust, dry sand or cloth/rags. The remainder should be cleaned up with mineral thinners and the area can then be hosed where possible to reduce tackiness/stickiness of the surface and reduce incidence of slipping when wet. Treat small spills as for "the remainder". Whilst "Alucoat" is not harmful to the skin it is recommended that those persons involved in cleaning up, wear appropriate footwear (gumboots) and rubber gloves. Remove by wiping affected skin contact areas with mild mineral thinner or Turpentine, then wash thoroughly with soap and water until stickiness disappears. Prevent run off into drains and waterways. Collect and seal in properly labeled drums for disposal.

Disposal

Burning is NOT recommended. Refer to State Land Waste Management Authority. Advise of flammable nature. Normally suitable for incineration by approved Authority.

4.4 Fire and Explosion Hazard:

Flammable liquid. On burning will emit poisons and noxious fumes. Keep containers cool with water spray. Fire Fighters to wear self contained breathing apparatus if risks of exposure to vapour or product combustion exist.

4.5 Fire Fighting Recommendations

Attack the fire from an up-wind position when possible. Use an absorbent -sand, soil or similar. USE CO2, DRY CHEMICAL, BCF, FOAM SAND OR EARTH. DO NOT aim the extinguisher at seat of fire but attack from edge to allow contents of fire extinguisher to "rollover" the fire and blanket the burning material. By attacking the seat (or centre) of the fire, the extinguisher propellant can splatter the burning material over a wider area, causing minor fire outbreaks. To drums/tins of "Alucoat" within the vicinity of the fire, WATER SPRAY to keep contents cool. ADVISE THE EMERGENCY SERVICES if the fire is large, or cannot be contained by equipment or personnel available. Fire Fighters should wear respirators of type AS 1716 if the fire is in an enclosed area. Wrap-around safety glasses (As 1337 standards) should be worn.

5. OTHER INFORMATION

5.1 Special note:

"Alucoat" can also be supplied as a 2-part mix: Part A; consisting of the resin component, and Part B; consisting of the aluminium component. This is the single way of overcoming the limited shelf life of pre- mixed "Alucoat", which is a characteristic of all aluminium based paints.

5.2 Contact Points

Rustmasters Pty Ltd

39 Pine Avenue
Ulong NSW 2450

phone 02 6654 5422
Fax 02 6654 5322

EMERGENCYA/H 0417 2158 77 CONTACT Dick Booth

This information is based on DATA by Rustmasters Pty Ltd to be accurate at the time of printing, but is subject to change without notice. Information is given in good faith but no warranty expressed or implied is made concerning its detailed accuracy, completeness or otherwise. Independent determination as to the suitability of the product, by the user, should be made from all sources to ensure its correct application and use. No responsibility as to its use or otherwise can be taken once the product is out of our control. All possible assistance regarding the product is assured.