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Seven Hills NSW 2147
AUSTRALIA
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Emergency Telephone: 000
Poison information Centre:131 126

MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL

Product name:	Jointing Compound White 220g
Part number:	EJC/300
Other names:	X-1411 White
Recommended use:	Corrosion Inhibitor for bolted copper and aluminium connections.

Section 2: HAZARD IDENTIFICATION

Hazard classification:
This product is classified as: Xn, Harmful. N, Dangerous to the environment. Hazardous according to the criteria of SWA.
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.
Risk phrases:
R53, R66. May cause long term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.
Safety phrase:
S23, S36, S46, S24/25. Do not breathe vapours or mists. Wear suitable protective clothing. If swallowed, contact a doctor or Poisons Information Centre immediately and show this MSDS or label. Avoid contact with skin and eyes.

Ingestion:
Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.
Long Term Exposure: No data for health effects associated with long term ingestion.
Eye Contact:
Short Term Exposure: This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.
Long Term Exposure: No data for health effects associated with long term eye exposure.
Skin Contact:
Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be irritating, but is unlikely to cause anything more than mild transient discomfort.
Long Term Exposure: Repeated exposure may cause skin dryness or cracking.
Inhalation:
Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.
Long Term Exposure: No data for health effects associated with long term inhalation.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.
NTP: No significant ingredient is classified as carcinogenic by NTP.
IARC: No significant ingredient is classified as carcinogenic by IARC.

Major Health Hazards:
Repeated exposure may cause skin dryness or cracking.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc.,%	TWA (mg/m3)	STEL (mg/m3)
Distillates (petroleum), hydro treated heavy naphthenic	64742-52-5	>60	5	not set
Non hazardous silicone derivative	secret	<30	not set	not set
Other non hazardous ingredients	various	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non
hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4: FIRST AID MEASURES

General Information:
You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

If Ingested:
If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.
If in eyes:
Quickly and gently brush particles from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.
If on skin:
Gently brush away excess particles. Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.
If inhaled:

First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

(Indication of medical attention and any special treatment needed (notes to physician should include description of most important symptoms, acute and delayed)

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing media:
Suitable extinguishing media are carbon dioxide, dry chemical, foam.

Hazards from Combustion Products:
Precautions for fire fighters:
Special protective equipment:
If a significant quantity of this product is involved in a fire, call the fire brigade.
Fire and Explosion Hazards
The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces,
forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:
In the event of a major spill, prevent spillage from entering drains or water courses. Immediately call the Fire Brigade. As a minimum, wear overalls, goggles and gloves. No special recommendations for clothing materials. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask. Stop leak if safe to do so, and contain spill.
Methods and Materials for containment and clean up:
Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7: HANDLING AND STORAGE

Precautions for safe handling:

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Conditions for safe storage, including any incompatibilities:

Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Keep containers of this product in a well ventilated area. Make
sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure standards:

The following Australian Standards will provide general advice regarding safety clothing and equipment:
Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

Biological limit values:

TWA (mg/m3)	STEL (mg/m3)
5	not set

Distillates (petroleum), hydro treated heavy naphthenic.
No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Engineering controls:

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Personal Protective Equipment:

Respiratory Protection: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask. Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.
Protective Gloves: You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types.
Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.
Other Protective Clothing or Equipment: There is no data that enables us to recommend any type except that it should be impermeable.

Section 9: PHYSICAL AND CHECMICAL PROPERTIES

Appearance: White paste

Odour:	No data
pH:	No data
Vapour Pressure:	No data
Vapour Density:	No data
Boiling point/range:	No data
Freezing/melting point:	No data, paste at normal temperature
Solubility:	Insoluble
Specific gravity (H2O=1) or density:	No data
Flashpoint:	No data
Upper flammable (explosive) limits in air:	No data
Lower flammable (explosive) limits in air:	No data
Ignition temperature:	No data

Section 10: STABILITY AND REACTIVITY

Chemical Stability:
This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to avoid:
This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well ventilated.
Incompatible Materials:
Strong acids, oxidising agents.
Hazardous decomposition products:
Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form oxides of sulphur (sulphur dioxide is a respiratory hazard) and other sulphur compounds. Most will have a foul odour. Silicon and titanium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Hazardous reactions:
No data
Polymerisation:
This product will not undergo polymerisation reactions.

Section 11: TOXICOLOGICAL INFORMATION

Acute and Chronic health affects:
There is no data to hand indicating any particular target organs.
Possible routes of exposure:
No data
Range of affects following exposure:
Mutagenicity: Not hazardous by OSHA criteria.
Reproductive Effects: Not hazardous by OSHA criteria.
Developmental Effects:
Teratogenicity: Not hazardous by OSHA criteria.

Embryotoxicity: Not hazardous by OSHA criteria.
Respiratory Sensitization: Not hazardous by OSHA criteria.
Skin Sensitization: Not hazardous by OSHA criteria.
Dose, concentration or conditions of exposure likely to cause injury:
No data
Delayed affects:
No data
Relevant negative data:
Not Available

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.
Distillates (petroleum), hydro treated heavy naphthenic:
LD50 Oral, Rat >5000mg/kg LC50 Inhalation, Rat = 2.18mg/L/4hr

Section 12: ECOLOGICAL INFORMATION

This product may cause long term adverse effects to the aquatic environment. Insufficient data to be sure of status.

Ecotoxicity:	No data
Persistence and degradability:	Not Available
Mobility:	Not Available

Section 13: DISPOSAL CONSIDERATION

Disposal methods and containers:
This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration, or landfill.
Special precautions for landfill or incineration:
No data

Dispose of in accordance with all applicable local, state and federal regulations.

Section 14: TRANSPORT INFORMATION

Domestic Highway

UN number:	None allocated
UN Proper shipping name:	No data
Class and subsidiary risk:	No data
Packing group:	No data
Special precaution for user:	No data
Hazchem code:	No data

SUSMP Classification:
None allocated.
ADG Code:

This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15: REGULATORY INFORMATION

The regulatory status of a material (including its ingredients) under relevant Australian health, safety and environmental legislation:
AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Distillates (petroleum), hydro treated heavy naphthenic (a liquid hydrocarbon), is mentioned in the SUSMP.

Section 16: OTHER INFORMATION

Date of Preparation/last Revision of the MSDS
November 2011
This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

New Zealand Emergency Telephone: 111
New Zealand National Poisons Centre Telephone: 0800 POISON (0800 764 766)

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and to develop work practice procedures for a safe work environment.

DISCLAIMER: The information contained herein, is to the best of our knowledge and belief; accurate. However, because the condition of handling and use are beyond our control, **we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all federal, state and local laws and regulations.**