1.0 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Identifier
Product name: NAA 20
Synonym(s): SUMITOMO CHEMICAL AUSTRALIA NAA 20 • SUMITOMO NAA 20

1.2 Uses and uses advised against
Use(s): FRUIT THINNING

1.3 Details of the supplier of the product
Supplier name: GROCHEM AUSTRALIA PTY LTD
Address: Suite 1, Level 3, 262 Lorimer St, Port Melbourne, VIC, 3207, AUSTRALIA
Telephone: 1800 777 068
Email: grochem@grochem.com
Website: http://www.grochem.com

1.4 Emergency telephone number(s)
Emergency: 1800 127 406

1.7 Details of alternative supplier(s) of the product
Supplier name: SUMITOMO CHEMICAL AUSTRALIA PTY LTD
Address: Level 5, 51 Rawson St, Epping, NSW, 2121, AUSTRALIA
Telephone: (02) 8752 9000
Fax: (02) 8752 9099
Email: reception@sumitomo-chem.com.au
Website: www.sumitomo-chem.com.au

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 Label elements
No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other hazards
No information provided.

3.0 COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDOUS INGREDIENTS</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Remainder</td>
</tr>
<tr>
<td>SODIUM NAPHTHALENE-1-ACETATE</td>
<td>61-31-4</td>
<td>200-504-2</td>
<td>2.3%</td>
</tr>
</tbody>
</table>

4.0 FIRST AID MEASURES

4.1 Description of first aid measures
Eye: If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion
For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First aid facilities
Eye wash facilities and normal washroom facilities should be available.

4.2 Most important symptoms and effects, both acute and delayed
Adverse effects not expected from this product under normal conditions of use.

4.3 Immediate medical attention and special treatment needed
Treat symptomatically.

5.0 FIRE FIGHTING MEASURES

5.1 Extinguishing media
Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture
Non flammable. May evolve toxic gases if strongly heated.

5.3 Advice for firefighters
Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code
None allocated.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions
Prevent product from entering drains and waterways.

6.3 Methods of cleaning up
Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

6.4 Reference to other sections
See Sections 8 and 13 for exposure controls and disposal.

7.0 HANDLING AND STORAGE

7.1 Precautions for safe handling
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, dark, well ventilated area, removed from foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

7.3 Specific end use(s)
No information provided.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Exposure standards
No exposure standards have been entered for this product.

Biological limits
No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls
Avoid inhalation. Use in well ventilated areas.

PPE

- Eye / Face: Wear splash-proof goggles.
- Hands: Wear PVC or rubber gloves.
- Body: When using large quantities or where heavy contamination is likely, wear coveralls.
- Respiratory: Not required under normal conditions of use.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance: PALE BROWN LIQUID
- Odour: MILD ODOUR
- Flammability: NOT AVAILABLE
- Flash point: NOT RELEVANT
- Boiling point: 100°C (Approximately)
- Melting point: NOT AVAILABLE
- Evaporation rate: NOT AVAILABLE
- pH: NOT AVAILABLE
- Vapour density: NOT AVAILABLE
- Specific gravity: 1.005
- Solubility (water): SOLUBLE
- Vapour pressure: NOT AVAILABLE
- Upper explosion limit: NOT RELEVANT
- Lower explosion limit: NOT RELEVANT
- Partition coefficient: NOT AVAILABLE
- Decomposition temperature: NOT AVAILABLE
- Viscosity: NOT AVAILABLE
- Explosive properties: NOT AVAILABLE
- Oxidising properties: NOT AVAILABLE
- Odour threshold: NOT AVAILABLE

10.0 STABILITY AND REACTIVITY

10.1 Reactivity
Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability
Stable under recommended conditions of storage. Unstable to UV radiation and strong sunlight.

10.3 Possibility of hazardous reactions
Polymerization is not expected to occur.

10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources. Avoid direct sunlight.

10.5 Incompatible materials
Compatible with most commonly used materials.
10.6 Hazardous decomposition products
May evolve toxic gases if heated to decomposition.

11.0 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity  Information available for the product:
This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health
effects are not anticipated.

Information available for the ingredient(s):

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral Toxicity (LD50)</th>
<th>Dermal Toxicity (LD50)</th>
<th>Inhalation Toxicity (LC50)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM NAPHTHALENE-1-ACETATE</td>
<td>933 mg/kg</td>
<td>2000 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Skin  Not classified as a skin irritant. Contact may result in mild irritation.
Eye  Not classified as an eye irritant. Contact may result in mechanical irritation.
Sensitisation  Not classified as causing skin or respiratory sensitisation.
Mutagenicity  No evidence of mutagenic effects.
Carcinogenicity  Not classified as a carcinogen.
Reproductive  No relevant or reliable studies were identified.
STOT – single exposure  No known effects from this product.
STOT – repeated exposure  No known effects from this product.
Aspiration  This product does not present an aspiration hazard.

12.0 ECOLOGICAL INFORMATION

12.1 Toxicity  No information provided.

12.2 Persistence and degradability  No information provided.

12.3 Bioaccumulative potential  No information provided.

12.4 Mobility in soil  No information provided.

12.5 Other adverse effects  This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities. Not expected to bioaccumulate.

13.0 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal  Solutions: Cover with sodium carbonate (soda ash), lime or similar alkali to ensure pH greater than 8.5. Collect precipitated solids in sealable containers and label accordingly. Solids: Dampen if necessary and avoid dust generation. Collect solids and store in sealable labelled containers. Absorb with soil and contact the manufacturer for disposal instructions.

Legislation  Dispose of in accordance with relevant local legislation.

14.0 TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA
**14.1 UN Number**  
None Allocated  
None Allocated  
None Allocated

**14.2 Proper Shipping Name**  
None Allocated  
None Allocated  
None Allocated

**14.3 Transport Hazard Class**  
None Allocated  
None Allocated  
None Allocated

**14.4 Packing Group**  
None Allocated  
None Allocated  
None Allocated

**14.5 Environmental hazards**  
No information provided.

**14.6 Special precautions for user**  
Hazchem code  
None Allocated

### 15.0 REGULATORY INFORMATION

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

**Poison schedule**  
A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**APVMA Number(s)**  
60577 / 1L-20L / 0107

**Classifications**  
Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

**Hazard codes**  
None allocated.

**Risk phrases**  
None allocated.

**Safety phrases**  
None allocated.

**Inventory listing(s)**  
AUSTRALIA: AICS (Australian Inventory of Chemical Substances)  
All components are listed on AICS, or are exempt.  
UNITED STATES: TSCA (US Toxic Substances Control Act)  
All components are listed on the TSCA inventory, or are exempt.

### 16.0 OTHER INFORMATION

**Additional information**

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:  
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:  
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>CAS #</td>
<td>Chemical Abstract Service number - used to uniquely identify chemical compounds</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>EC No.</td>
<td>European Community Number</td>
</tr>
<tr>
<td>EMS</td>
<td>Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System</td>
</tr>
<tr>
<td>GTEPG</td>
<td>Group Text Emergency Procedure Guide</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal Concentration, 50% / Median Lethal Concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose, 50% / Median Lethal Dose</td>
</tr>
<tr>
<td>mg/m³</td>
<td>Milligrams per Cubic Metre</td>
</tr>
</tbody>
</table>
OEL
Occupational Exposure Limit

pH
Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm
Parts Per Million

STEL
Short-Term Exposure Limit

STOT-RE
Specific target organ toxicity (repeated exposure)

STOT-SE
Specific target organ toxicity (single exposure)

SUSMP
Standard for the Uniform Scheduling of Medicines and Poisons

SWA
Safe Work Australia

TLV
Threshold Limit Value

TWA
Time Weighted Average

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ("SDS"). It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of Grochem, it is the user’s responsibility to determine conditions of safe use of the product.