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| Infosafe No™ 5GF9Z | Issue Date :September 2020 | Status : ISSUED |
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Product Name **element.ac PAG 46 HD 1234yf Oil**

Not classified as hazardous

## 1. Identification

**GHS Product Identifier** element.ac PAG 46 HD 1234yf Oil

**Product Code** EHD250

**Product Type** PAG 46 HD 1234yf Oil

**Company Name** SuperCool Asia Pacific Pty Ltd (ABN 71 011 044 385)

**Address** 14 Motorway Circuit Ormeau  
QLD AUSTRALIA

**Telephone/Fax Number** Tel: (07) 5549-4000  
Fax: (07) 5549-4044

**Emergency phone number** 1800 628 133 (24/7)

## 2. Hazard Identification

**GHS classification of the substance/mixture** Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.  
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

**Precautionary statement – General** Keep out of reach of children.

## 3. Composition/information on ingredients

| Ingredients | <u>Name</u>   | <u>CAS</u>     | <u>Proportion</u> |
|-------------|---|----------------|-------------------|
|             | All ingredients are classified as non-hazardous at the concentrations used according to the criteria of Safe Work Australia | Not applicable |                   |

## 4. First-aid measures

**First Aid Measures** If poisoning occurs contact a doctor or Poisons Information Centre Phone Australia 131126, New Zealand 0800 764 766. Always seek medical attention if symptoms develop due to exposure.

**Inhalation** If inhaled, remove to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion** Drink warm water to induce vomiting. Seek medical attention.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash skin with soap and water upon contact. If swelling, redness, blistering or irritation occurs seek medical attention. Wash clothing before reuse.

**Eye contact** In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. In all cases of eye contamination it is a sensible precaution to seek medical attention.

**Advice to Doctor** Treat symptomatically. Show this SDS to the medical practitioner.

## 5. Fire-fighting measures

**Fire Fighting Measures** Fire fighters to wear full body protective clothing with breathing apparatus. Deluge surrounding containers with water to keep them cool until fire is extinguished. Evacuate immediately and move upwind of fire if there are signs of container discolouration or sounds of pressure building.

**Suitable extinguishing media** If material is involved in a fire use foam, dry powder, carbon dioxide or sand

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|---|--|
| <b>Unsuitable Extinguishing Media</b>                 | If material is involved in a fire do not use water.  |
| <b>Hazards from Combustion Products</b>               | Water, carbon monoxide and carbon dioxide  |
| <b>Special Protective Equipment for fire fighters</b> | Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. |

## 6. Accidental release measures

|  |  |
|--|--|
| <b>Emergency Procedures</b>                                  | Wear appropriate personal protective equipment when containing and cleaning up spills. Isolate the hazard area and deny entry for unnecessary and unprotected personnel.   |
| <b>Methods and materials for containment and cleaning up</b> | Stop leaks. Provide adequate ventilation to spill area. Avoid ignition sources such as sparks and flames.  |
| <b>Spills &amp; Disposal</b>                                 | Avoid concentrated spillage from entering drains or watercourse. Remove for disposal in accordance with local waste management. Use suitable containers for disposal.  |
| <b>Clean-up Methods - Small Spillages</b>                    | Wear protective equipment to prevent skin and eye contamination. Soak up residue with an absorbent (such as sand, earth or other suitable material). Allow absorbent to dry and sweep up and place in non-leaking container, sealed tightly for proper disposal.   |
| <b>Clean-up Methods - Large Spillages</b>                    | Prevent further leakage or spillage if safe to do so. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use vacuum truck or pump to storage/salvage vessels. If contamination of sewers or waterways has occurred advise local emergency services. |
| <b>Environmental Precautions</b>                             | Do not discharge into drains and surface waters. Review local regulations before release to the environment.   |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for Safe Handling</b>                                | Special measures not required. Avoid contact with open flame and prevent leakage to avoid the risk of slipping.   |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in a cool, dry, well-ventilated place and out of direct sunlight and away from heat, sparks and flame. Do not store in open or unlabelled containers. Keep away from open flames and high temperatures. |
| <b>Other Information</b>  | Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not cut, weld or expose containers to heat or flame.  |

## 8. Exposure controls/personal protection

|   |   |
|---|---|
| <b>Occupational exposure limit values</b> | No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.  |
| <b>Biological Limit Values</b>            | As per the 'National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)' the ingredients in this material do not have a Biological Limit Allocated.  |
| <b>Appropriate engineering controls</b>   | Be hermetic and ensure adequate aeration.   |
| <b>Respiratory Protection</b>             | Not required  |
| <b>Personal Protective Equipment</b>      | OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.<br>When handling individual retail packs no personal protection equipment is required. When handling bulk wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. |

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**Hygiene Measures** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. Avoid eye contact and repeated or prolonged skin contact. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. Physical and chemical properties

**Form** Liquid

**Appearance** Colourless or light yellow, transparent liquid

**Specific Gravity** 0.92 - 0.98

**Viscosity** Kinematic viscosity (100C mm/s): 5 - 6  
(40C mm/s): 28 - 35

**Flash Point** > 260C

**Flammability** Non flammable

## 10. Stability and reactivity

**Chemical Stability** This material is stable under normal conditions of storage and use.

**Conditions to Avoid** High temperature, fire and direct sunlight

**Incompatible Materials** Strong acids, alkalis and oxidisers

**Hazardous Decomposition Products** Product does not decompose at ambient temperatures.

**Hazardous Polymerization** Will not occur

## 11. Toxicological Information

**Toxicology Information** This material has been classified as non-hazardous.

**Ingestion** This material has been classified as non-hazardous.

**Inhalation** This material has been classified as non-hazardous.

**Skin** This material has been classified as non-hazardous.

**Eye** This material has been classified as non-hazardous.

## 12. Ecological information

**Ecotoxicity** This material has been classified as non-hazardous.

**Persistence and degradability** No information available

## 13. Disposal considerations

**Disposal Considerations** Remove for disposal in accordance with local waste management regulations. Suggest to treat by burning according to the local and national laws.

## 14. Transport information

**Transport Information** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail or NZS 5433:1999 Transport of Dangerous Goods on Land.  
Transport in original container if possible, or metal bucket or flexitank.

**Other Information** MARINE TRANSPORT  
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.  
AIR TRANSPORT  
Not classified as Dangerous Goods by the criteria of the International Air

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Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. Regulatory information

**Poisons Schedule**      Not Scheduled  
**AICS (Australia)**      All ingredients listed

## 16. Other Information

**Literature References**      Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Globally Harmonised System of classification and labelling of chemicals. Raw material supplier SDS.

**Other Information**      SDS version: 1  
Reason for revision: first issue (Note: name changed from ND12 1234yf Oil 04.02.2022)

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.  
Safety Data Sheets are updated frequently. Please ensure that you have a current copy.  
This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since SuperCool Asia Pacific Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.  
If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.  
...End Of MSDS...

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