

Safety Data Sheet



Section 1 - Identification of the Material and Supplier

Product Name: Seriola ETA 32
Product Code: H1E
Product Use: Heat Transfer Medium
Supplier: Oil Intel Limited
56 Whakatu Road, Whakatu
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NEW ZEALAND
Phone: +64 (06) 871 53 25
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EMERGENCY

TELEPHONE NUMBER: 0800 734 607 (New Zealand)
Chemical Nature: Product containing mineral oil with less than 3% DMSO extract as measured by IP346.
Creation Date: December 2013
This Version Issued: July 2018 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Non-Dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments.

Physical-Chemical Hazards: Contaminated surfaces will be extremely slippery.

Environmental Properties: Should not be released into the environment.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	Symbol	R-Phrases
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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.

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Section 4 - First Aid Measures

General Information: IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

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Inhalation: Move to fresh air. Inhalation of vapours in high concentration may cause irritation of the respiratory system.

Skin Contact: Remove contaminated clothing and shoes. Wash skin with soap and water. Wash contaminated clothing before reuse.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Section 5 - Fire Fighting Measures

Special Hazards: Incomplete combustion and thermolysis may produce gases of various toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

Extinguishing Media: Suitable extinguishing media are water spray or fog, foam, carbon dioxide and ABC powder. Do not use a solid water stream as it may scatter and spread fire.

Fire Fighting: Wear an insulated breathing apparatus in confined premises with heavy concentrations of fumes and gases. Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6 - Accidental Release Measures

Accidental Release: Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Do not allow material to contaminate the ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained. Dam up and contain the spillage and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling: When using, do not eat, drink or smoke. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives,

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solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into work-wear pockets.

Storage: Keep away from food, drink and animal feeding stuffs. Keep in a bunded area, Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels off the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from frost, heat, moisture, sunlight and strong oxidising agents.

Section 8 - Exposure Controls and Personal Protection

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/NZS221**

Exposure Limits: Oil mist: 10mg/m³ for 15 minutes. Oil mist: 5mg/m³ for 8 hours.

Engineering Measures: Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment. The product should not be allowed to enter drains, water courses or the soil.

General Information: If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a respirator with combination filter for vapour/particulate (EN 14387). The use of a breathing apparatus must comply strictly with the manufacturer's instructions and regulations governing their choices and uses.

Eye Protection: If splashes are likely to occur, wear safety glasses with side-shields.

Skin Protection: Wear suitable protective clothing such as protective shoes or boots and long-sleeved clothing.

Hand Protection: Wear hydrocarbon-proof gloves made from fluorinated or nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts and abrasions. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.

Section 9 - Physical and Chemical Properties:

Physical Description & Colour: Yellow to amber-coloured liquid

Odour: Characteristic odour

Boiling Point: No data

Pour Point: No data

Flashpoint: >230°C

pH: No data

Density: 865-875kg/m³ at 15°C

Water Solubility: Insoluble

Solubility in Organic Solvents: No data

Explosive Properties: No data

Coeff Oil/Water Distribution: No data

Autoignition Temperature: No data

Kinematic Viscosity at 40°C: 32mm²/s at
100°C: 5mm²/s

Section 10 - Stability and Reactivity

Reactivity: The product is stable under recommended storage conditions.

Conditions to Avoid: Heat (temperatures above flashpoint), sparks, ignition points, flames and static electricity.

Incompatible Materials: Strong oxidising agents.

Section 11 - Toxicological Information

Skin Contact: Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

Inhalation: Inhalation of vapours in high concentration may cause irritation of the respiratory system.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Sensitization: Not classified as a sensitizer.

Special Effects: This product is not classified as carcinogenic, mutagenic nor does it present any known or suspected reproductive hazards.

Section 12 - Ecological Information

Mobility:

- **Air:** Loss by evaporation is limited.
 - **Water:** The product is insoluble, the product spreads on the surface of water.
 - **Soil:** Given its physical and chemical characteristics, the product has no soil mobility.
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Section 13 - Disposal Considerations

Waste Disposal: Should be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste. Disposed of in accordance with local regulations. Where possible, recycling is preferred to disposal or incineration. After use, this oil must be sent to a licensed waste oil facility. Incorrect disposal of used oil poses a risk to the environment. Mixture with other waste types such as solvents, brake and cooling liquids are forbidden. Empty containers should be taken to an approved waste handling site for recycling or disposal. The following Waste Codes are only suggestions 13 01 07. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14 - Transport Information

Section 15 - Regulatory Information

New Zealand Regulatory Information:

HSNO Approval Number	HSR002605
HSNO Group	Lubricants (Low Hazard) Group Standard 2006
Standard	
HSNO Classification	6.3 - SKIN IRRITATION - Category B 6.4 - EYE IRRITATION - Category A (Irritant) 9.1 - AQUATIC ECOTOXICITY - Category D

Section 16 - Other Information

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 (7 th 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 fire-fighters
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

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

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