1. Substance/preparation and company identification

**Cutina® EGMS**

Use: Pearl shine concentrates, opacifiers

**Manufacturer/supplier:**
BASF New Zealand Limited
Level 4, 4 Leonard Isitt Drive, Auckland Airport, Auckland 2022
PO Box 407 Shortland Street, Auckland 1140, NEW ZEALAND
Telephone: +64 9 255-4300
Telefax number: +64 9 255-4307

**Emergency information:**
National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazard identification

No particular hazards known.

3. Composition/information on ingredients

**Chemical nature**

Fatty acids, C16-18, esters with ethylene glycol
CAS Number: 91031-31-1
EC-Number: 292-932-1
4. First-Aid Measures

General advice:
If adverse health effects develop seek medical attention.

If inhaled:
not relevant.

On skin contact:
After contact with skin, wash immediately with plenty of water.

On contact with eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical attention if necessary.

On ingestion:
Rinse mouth and then drink 200-300 ml of water.

Note to physician:
Symptoms: No significant symptoms are expected due to the non-classification of the product.
Hazards: No hazard is expected under intended use and appropriate handling.
Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Specific hazards:
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Avoid dust formation.

Environmental precautions:
Do not discharge into drains/surface waters/groundwater.
Methods for cleaning up or taking up:
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Contain with dust binding material and dispose of.
Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling
Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:
Avoid dust formation. Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Storage
Suitable materials for containers: Polypropylene (PP), High density polyethylene (HDPE)
Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage stability:
Storage temperature: <= 30 °C

8. Exposure controls and personal protection

Components with occupational exposure limits

- stearic acid, 57-11-4;
  - TWA value 10 mg/m3 (ACGIHTLV)
  - TWA value 10 mg/m3 (OEL (NZ))
  - The value is for inspirable dust containing no asbestos and less than 1% free silica. (See Appendix 1).
  - TWA value 10 mg/m3 (OEL (NZ))
  - The value is for inspirable dust containing no asbestos and less than 1% free silica.

- ethyleneglycol, 107-21-1;
  - CLV 100 mg/m3 (ACGIHTLV), aerosol
  - CLV 127 mg/m3 ; 50 ppm (OEL (NZ)), Vapor and mist

Personal protective equipment
Respiratory protection:
Breathing protection if dusts are formed.

Hand protection:
Hand protection not required.
Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form: solid, powder
Colour: white to light yellow
Odour: odourless

pH value: not determined

melting range: 56 - 59 °C
Boiling point: not determined

Flash point: 260 °C (ASTM D92)
Flammability: not flammable
Lower explosion limit: For solids not relevant for classification and labelling.
Upper explosion limit: For solids not relevant for classification and labelling.
Ignition temperature: not determined
Self ignition: not applicable
Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

Vapour pressure: < 0.0000001 mbar (20 °C) (calculated)
Bulk density: 0.89 - 0.91 g/cm³ (20 °C) (Directive 92/69/EEC, A.3)
Relative vapour density (air): not applicable
Solubility in water: insoluble < 0.0001 g/l (20 °C)
Solubility (qualitative) solvent(s): distilled water
   insoluble
Partitioning coefficient n-octanol/water (log Pow):  > 6.27  (calculated)
Viscosity, dynamic: not applicable, the product is a solid
Viscosity, kinematic: not applicable, the product is a solid

Other Information:
If necessary, information on other physical and chemical parameters is indicated in this section. No further information available.

10. Stability and Reactivity

   Conditions to avoid:
   See MSDS section 7 - Handling and storage.

   Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

   Substances to avoid:
   No substances known that should be avoided.

   Hazardous reactions:
   None if used for intended purpose.

   Hazardous decomposition products:
   No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

   Acute toxicity

   Assessment of acute toxicity:
   Virtually nontoxic after a single skin contact.

   Virtually nontoxic after a single ingestion.

   LD50 rat (oral):  > 2,000 mg/kg
   The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

   LD50 rabbit (dermal):  > 2,000 mg/kg
   The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

   Irritation

   Assessment of irritating effects:
   Not irritating to the eyes. Not irritating to the skin.
Primary skin irritation rabbit: non-irritant (OECD Guideline 404)

Primary irritations of the mucous membrane rabbit: non-irritant
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

**Assessment other acute effects**

Assessment other acute effects:
Based on available Data, the classification criteria are not met.

**Sensitization**

Assessment of sensitization:
No sensitizing effect.

guinea pig: Non-sensitizing.
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

**Repeated dose toxicity**

Assessment of repeated dose toxicity:
The information available on the product provides no indication of toxicity on target organs after repeated exposure.

**Genetic toxicity**

Assessment of mutagenicity:
The chemical structure does not suggest a specific alert for such an effect.

Ames-test
Bacteria: negative (OECD Guideline 471)

**Carcinogenicity**

Assessment of carcinogenicity:
The chemical structure does not suggest a specific alert for such an effect.

**Reproductive toxicity**

Assessment of reproduction toxicity:
The information available on the product provides no indication of reproductive toxicity.

**Developmental toxicity**

Assessment of teratogenicity:
No data was available concerning toxicity to development.
12. Ecological Information

**Ecotoxicity**

Toxicity to fish:
LC50 > 100 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)

Aquatic invertebrates:
EC50 > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Aquatic plants:
EC50 > 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201)

Microorganisms/Effect on activated sludge:
EC50 > 10,000 mg/l, Pseudomonas putida
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

**Mobility**

Assessment transport between environmental compartments:
not applicable

**Persistence and degradability**

Assessment biodegradation and elimination (H2O):
Readily biodegradable (according to OECD criteria).

**Bioaccumulation potential**

Assessment bioaccumulation potential:
No data available.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:
Uncontaminated packaging can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

**Domestic transport:**
Not classified as a dangerous good under transport regulations

**Sea transport**
IMDG
15. Regulatory Information

Other regulations

Registration status:

NZIOC, NZ released / exempt

Not classified as hazardous according to HSNO criteria

16. Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.