

AggreBind Ambani

Ambani Organics Ltd.

ISO: 9001: 2015 Certified

801, "351 – ICON", Andheri (E), Mumbai – 400069, India

Tele – 022 26822027 / 2028/ 2029

Email: info@ambaniorganics.com

Material Safety Data Sheet

for

AGGRECOAT SILVER - AGC-SI

1. Identification of the substance / preparation and of the company / Undertaking AGC-SI

AMBANI ORGANICS LTD.
801, "351 ICON", OPP W E HIGHWAY
ANDHERI (EAST), MUMBAI – 400 069.
MAHARASHTRA – INDIA.

2. Composition / information on ingredients

This material considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Chemical Name	CAS No	Weight in %
Tris (2-Butoxyethyl) Phosphate	78-51-3	1 – 2
Ethylene Glycol	107-21-1	1 – 2

3. Hazards identification.

Classification

OSHA Regulatory Status.

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

Emergency Overview: The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance: milky white

Physical State: liquid

Odor: mild

Hazards not otherwise Classified (HNOC): Not Applicable Unknown Acute Toxicity: 0.2% of the substance or mixture consists of ingredient(s) of unknown toxicity

4. First aid measures

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

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Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion: Clean mouth with water. Call a physician.

Most important Symptoms and effects, both acute and delayed.

Symptoms: No information available.

Indication of any immediate medical attention and SPECIAL treatment needed

Note to physician: Treat symptomatically.

5. Fire-Fighting measures

Suitable extinguishing media: Dry chemical, CO₂ or water spray.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards ARISING from the chemical: No information available.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure- demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions: Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

Environmental precautions: See Section 12 for additional ecological information.

Methods for containment: Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up: Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains.

7. Handling and storage

Advice on Safe handling: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Keep away from heat, sparks, and flame. Keep container tightly closed. Use care in handling/storage.

Incompatible materials: None known based on information supplied.

8. Exposure controls/personal protection

Chemical Name	ACGIH TLV	OSHA PEL
Ethylene Glycol 107-21-1	Ceiling – 100 mg/m ³ aerosol only	Ceiling : 50 ppm Ceiling : 125 mg/m ³

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Engineering controls: Showers, Eyewash stations, Ventilation systems.

Individual protection measures, Such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin and body protection: Wear protective gloves and protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice

9. Physical and chemical properties

Physical State: Liquid.

Appearance: Milky. Color: White Odor: Mild.

Odor threshold: No information available.

pH: 8

Melting point/Freezing point: No information available.

Boiling point: 100°C ° C /212°F ° F

FLASH point: No information available

Evaporation rate: No information available

Flammability Limits in air, upper, % by volume: Not available.

Flammability Limits in air, lower, % by volume: Not available.

Vapor pressure: No information available.

Vapor Density: No information available.

Water Solubility: Miscible in water

Solubility in other Solvents: No information available

Partition coefficient: No information available

Auto ignition temperature: No information available

Decomposition temperature: No information available

Kinematic Viscosity: No information available

Dynamic Viscosity: No information available

Explosive properties: No information available

Oxidizing properties: No information available

Other Information

Explosion Severity

Danger of Explosion, cloud: Not Applicable

Minimum Ignition Energy, Cloud, mJ: Not Applicable

KST, (cloud), bar.M.S-1: Not Applicable

Pmax maximum explosion pressure, Cloud, bar: Not Applicable

VMP, (cloud), bar.S-1: Not Applicable

LOC Limiting Oxygen Concentration, Cloud, %v/v O2: Not Applicable

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Softening point: No information available

Molecular weight: No information available

DENSITY: 8.85

Bulk Density: No information available

Specific Gravity: 1.06

Granulomere: No information available

Moisture content: No information available

10. Stability and reactivity

Reactivity: No data available

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reaction: None under normal processing.

Condition to avoid: Extremes of temperature and direct sunlight.

Incompatible materials: None known based on information supplied.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

11. Toxicological Information

Product Information: No data available

Inhalation : No data available.

Eye contact: May cause slight irritation.

Skin Contact: Substance may cause slight skin irritation.

Ingestion: No data available

Chemical Name: Tris(2-Butoxyethyl) Phosphate 78-51-3

Oral Ld50: = 3000 mg/kg (Rat)

Dermal Ld50: > 16 mL/kg (Rabbit)

Inhalation Lc50: > 6.4 mg/L (Rat) 4 h

Chemical Name: Ethylene Glycol 107-21-1

Oral Ld50: 4000 - 10200 mg/kg (Rat)

Dermal Ld50: = 10600 mg/kg (Rat) = 9530 µL/kg (Rabbit)

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as Chronic effects from Short and long-term exposure

Sensitization: No information or data specific to the product on this toxicological (health) effect is available

Germ cell mutagenicity: No information or data specific to the product on this toxicological (health) effect is available.

Carcinogenicity: No information or data specific to the product on this toxicological (health) effect is available.

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Reproductive toxicity: No information or data specific to the product on this toxicological (health) effect is available.

STOT - SINGLE exposure: No information or data specific to the product on this toxicological (health) effect is available.

STOT - repeated exposure: No information or data specific to the product on this toxicological (health) effect is available.

Target Organ Effects Aspiration hazard: Central nervous system, Eyes, Respiratory system, Skin. No information or data specific to the product on this toxicological (health) effect is available.

Numerical Measures of toxicity - Product Information The following values are calculated based on chapter 3.1 of the GHS document

12. Ecological Information

Chemical Name: Tris(2-Butoxyethyl) Phosphate

FISH: 10.4 - 12.0 mg/L LC50 96 h Pimephales promelas flow- through.

Chemical Name: Ethylene Glycol

FISH: 41000 mg/L LC50 96 h Oncorhynchus mykiss 14 - 18 mL/L LC50 96 h Oncorhynchus mykiss static 27540 mg/L LC50 96 h Lepomis macrochirus static 40761 mg/L LC50 96 h Oncorhynchus mykiss static

40000 - 60000 mg/L LC50 96 h Pimephales promelas static 16000 mg/L LC50 96 h Poecilia reticulata static

Crustacea: 46300 mg/L EC50 48 h Daphnia magna

Algae/aquatic plants: 6500 - 13000 mg/L EC50 96 h Pseudokirchneriella subcapitata

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Chemical Name: Tris(2-Butoxyethyl) Phosphate 78-51-3

Partition coefficient: 4.78

Chemical Name: Ethylene Glycol 107-21-1

Partition coefficient: -1.93

Other adverse effects: No information available

13. Disposal Consideration

Waste treatment methods

DISPOSAL of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Do not reuse container.

14. Transport Information

DOT : Not required.

IATA : Not required.

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IMDG : Not required.

15. Regulatory Information.

International Inventories

AICS: Not determined

DSL: Not determined

IECSC: Not determined

EINECS: Yes

ENCS: Not determined

KECL: Not determined

PICCS: Not determined

TSCA: Yes

NZIoC: Not determined

Legend:

AICS - Australian Inventory of Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

ECSC - China Inventory of Existing Chemical Substances

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

NZIoC - New Zealand Inventory of Chemicals US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name: Diethylene Glycol Ethyl Ether - 111-90-0 SARA 313 - Threshold VALUES %: 1.0

Chemical Name: Ethylene Glycol - 107-21-1 SARA 313 - Threshold VALUES %: 1.0 SARA

311/312 Hazard Categories

Acute health hazard: No Chronic Health Hazard: No Fire hazard: No

Sudden release of pressure hazard: No Reactive Hazard: No

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name: Ethylene Glycol 107-21-1 Hazardous Substances RQS: 5000 lb Reportable Quantity (RQ): RQ 5000 lb final RQ RQ 2270 kg final RQ

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16. Other information

Health hazards 1

Flammability 1

Instability 0

Physical and Chemical Properties -

HMIS

Health hazards 1

Flammability 1

Physical hazards 0

Personal protection X

Further information: HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings:

Health: 0

Flammability: 0

Physical hazard: 0

Personal protection: X

Revision Date 19-Oct-2015

Revision Note: SDS sections updated (***)

DISCLAIMER: The information provided above is intended as a guide to assist in the safe handling, use, processing, storage, transportation, disposal and release of the material listed. Nothing contained herein is to be considered as an express or implied warranty of performance or quality. The information relates only to the specific material designated and may not be applicable when such material is used in combination with any other materials or as part of any process, except as otherwise expressly described herein. The information is believed to be true and correct as of the date issued. Always make sure you are using the most current information available. The material described herein is produced for commercial and industrial use only and unless otherwise specifically designated by the manufacturer in writing has not received any specific regulatory approval such as approvals for food contact or for use in medical/surgical applications or devices. It is buyer and user's sole and exclusive responsibility to ensure that any handling, use, processing, storage, transportation, disposal and release of the material complies with all applicable laws, rules and regulations.