

Title: Safety Data Sheet of ARIA SORBAT 80

ARIA SHIMI RAYKA

Dept.: Health & Safety	Doc. Code: ASR-HS-SP-003-WI-F028	Issue / Revising Date:2022.07.21
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	POLYOXY ETHYLENE 20 SORBITAN MONOOLEATE
Product description:	POLYOXY ETHYLENE 20 SORBITAN MONOOLEATE
catalog code :	ARIA SORBAT 80-SDS 28
Manufacturer:	Aria Shimi Rayka Co. Unit 3, No.18, 17 th Alley, Bokharest St. Argentina Sq. Tehran, IRAN
Telephone:	(+98-21)433 87
fax number :	(+98) 21 88100000

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical and Common Name	CAS Registry Number	Wt. %
Sorbitan Mono-(9z)-9-octadecenoate, Poly(oxy-1,2-ethanediyl) Derives.	9005-65-6	> 97%

3. HAZARDS IDENTIFICATION

Emergency Overview:	Colorless or brownish yellow Liquid. May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation. Ingestion May be harmful if swallowed. Toxic effects are not expected due to significant acute toxic ingestion of small amounts of this product. In large amounts may cause: Intestinal obstruction.
Eye contact:	May cause eye irritation. Category 2B
Skin contact:	May cause skin irritation. Category 3
Inhalation:	May cause irritation of respiratory tract.
Ingestion:	May cause irritation to mouth, esophagus, and stomach.
Chronic hazards:	May cause irritation of the mucous membranes.
Physical hazards:	Not classified.

4. FIRST AID MEASURES

Eye:	Rinse with water. Get medical attention if irritation develops and persists.
Skin:	Wash off with soap and water. Get medical attention if irritation develops and persists.
Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion:	Rinse mouth. Get medical attention if symptoms occur
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Water fog. Alcohol resistant Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire
Specific hazards arising from the	During fire, gases hazardous to health may be formed.

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chemical	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials
General fire hazards	No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

Precautions for safe handling	Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Keep container tightly closed in a dry and well-ventilated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Biological limit values	No biological exposure limits noted for the ingredient(s)
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.
Skin protection Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless or brownish yellow.
Physical state(at 25°C)	Liquid.

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Odor	Slight
Pour point	24 °F (-4.44 °C)
Melting point/freezing point	-14 °C
Initial boiling point and boiling range	212 °F (100 °C)
Viscosity	102 cP @ 60°C 300-500 St @ 25C
Relative density	1.06-1.09 g/cm ³ @ 25C
Flash point	> 201.0 °F (> 93.9 °C) Pensky-Martens Closed Cup
Soluble	in water, methanol, ethanol and isopropyl alcohol
Insoluble	mineral and vegetable oils

10. STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous. reactions	No dangerous reaction known under conditions of normal use
Conditions to avoid	Avoid temperature exceeding the flash point. Contact with incompatible materials
Incompatible materials	Avoid contact with: Strong oxidizing agents. Alkalies. Compounds with high affinity for hydroxyl groups.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.
Dermal LD50	> 2000 mg/kg
Oral LD50	LD50, rat: 34,500 µL/kg; LD50, mouse: 25,000 mg/kg.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Completely biodegradable.
Bioaccumulative potential	It is not expected to bioaccumulate in the environment.
Mobility in soil	The product is slightly volatile and water soluble. It is expected to have high mobility in soil.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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13. DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.

15. REGULATORY INFORMATION

US federal regulations	Not regulated.
TSCA Section 12(b) Export Notification (40 CFR 707, Sub pt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)	Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	Not listed.
SARA 311/312 Hazardous	NO.
Clean Water Act (CWA)	Not regulated.

16. OTHER INFORMATION

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO ARIA SHIMI RAYKA Co. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. ARIA SHIMI RAYKA MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OR THE PRODUCT TO WHICH IT RELATES, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OR HANDLING OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.