

Title: Safety Data Sheet of BETAYRIA AL



ARIA SHIMI RAYKA

Dept.: Health & Safety	Doc. Code: ASR-HS-SP-003-WI-F039	Issue / Revising Date:2022.07.21
Page No.: Page 1 of 4	Revision No.: 00	Exp. Date: 2024.07.21

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	Coco alkyl dimethyl Betaine
Product description:	Coco alkyl dimethyl Betaine 30% solution in water
catalog code :	BETAYRIA AL –SDS 39
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. %
Betaines, coco alkyldimethyl	68424-94-2	29-31
water	77-32-18-5	60-66
NaCl	7647-14-5	< 7.5
Glycerin	56-81-5	1-2

3. HAZARDS IDENTIFICATION

Emergency Overview:	Causes severe irritation to eyes. Causes moderate skin irritation. Spray mist causes irritation to respiratory tract. Release into surface water is harmful to aquatic life. Class 2
Eye contact:	Causes severe irritation to the eyes. Category 1
Skin contact:	Causes moderate irritation to the skin. Category 2
Inhalation:	Spray mist irritating to respiratory tract.
Ingestion:	May cause irritation to mouth, esophagus, and stomach.
Chronic hazards:	Hazardous to the aquatic environment - chronic - Class 3
Physical hazards:	Not classified.

4. FIRST AID MEASURES

Eye	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin	Take off contaminated clothing immediately. Wash off with soap and plenty of water. If irritation should develop, consult a doctor.
Inhalation	Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.
Ingestion	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.
Most important symptoms/effects, acute and delayed	The most important known symptoms and effects are described in the labelling (see section 3) and/or in section 11
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Title: Safety Data Sheet of BETAYRIA AL



ARIA SHIMI RAYKA

Dept.: Health & Safety	Doc. Code: ASR-HS-SP-003-WI-F039	Issue / Revising Date:2022.07.21
Page No.: Page 2 of 4	Revision No.: 00	Exp. Date: 2024.07.21

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 chemical	During fire, gases hazardous to health may be formed. Carbon oxides, Nitrogen oxides (NO _x)
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. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	For small amounts: Pick up with suitable absorbent material. For large amounts: Dike spillage. Pump off product. Dispose of absorbed material in accordance with regulations.
Environmental precautions	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

Precautions for safe handling	Do not get this material in contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. Avoid all sources of ignition: heat, sparks, open flame.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store apart from foodstuff containers or incompatible materials.

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. Provide eyewash station. Eye wash facilities and emergency shower must be available when handling this product. Set up emergency exits and the risk-elimination area.
Individual protection measures, such as personal protective equipment Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.

Title: Safety Data Sheet of BETAYRIA AL



ARIA SHIMI RAYKA

Dept.: Health & Safety	Doc. Code: ASR-HS-SP-003-WI-F039	Issue / Revising Date:2022.07.21
Page No.: Page 3 of 4	Revision No.: 00	Exp. Date: 2024.07.21

Skin protection Hand protection	Wear protective gloves.
Other	Wear appropriate chemical resistant 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	Clear, Yellow
Physical state	Liquid
Odor	Slight amidoamine odor
pH	4.5 - 7 (10% in water)
Melting point/freezing point	-5 °C
Initial boiling point and boiling range	> 212 °F (> 100 °C)
Viscosity	20 cP @ 25°C
Percent volatile	60 - 66 %
Density	1.02-1.04 g/mL

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 temperatures exceeding the flash point. Contact with incompatible materials
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye damage.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Acute toxicity Assessment of acute toxicity: May be harmful if swallowed in large quantities. No data available. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.
Dermal LD50	> 2000 mg/kg
Oral LD50	> 2,000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic life with long lasting effects (H412). Toxic to aquatic life (H401).
Persistence and degradability	Readily biodegradable. Easily eliminated from water.
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical

Title: Safety Data Sheet of BETAYRIA AL



ARIA SHIMI RAYKA

Dept.: Health & Safety	Doc. Code: ASR-HS-SP-003-WI-F039	Issue / Revising Date:2022.07.21
Page No.: Page 4 of 4	Revision No.: 00	Exp. Date: 2024.07.21

ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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. Annex II of MARPOL 73/78 and the IBC Code	Not available.

15. REGULATORY INFORMATION

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not regulated.
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 regulated.
SARA 311/312 Hazardous	Yes, acute Health Hazard
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 SHOIMI 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 SHOIMI 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.