

SAFETY DATA SHEET

According to Annex II to REACH - Regulation (EU) 2020/878

NOVA PLUS

Revision nr. 1

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BETAIN 35 %*Cocamidopropyl Betaine***SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Field	Details
Product name	BETAIN 35 %
UFI	WRMU-3AES-8D8U-1MTC

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	Industrial	Professional	Consumer
Shampoo, shower lotion and baby care products.	Yes	Yes	Yes

Uses Advised Against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Field	Details
Name	NOVA PLUS AMBALAJLAMA LİMİTED ŞİRKETİ
Full address	KAYABAŞI MAH. PARK MAVERA 2 T4 NO: 2
District and Country	İSTANBUL / TURKEY
Tel.	+90 536 436 49 92
E-mail	info@nova-plus.net

1.4. Emergency telephone number

For urgent inquiries refer to: +90 536 436 49 92

SECTION 2. Hazards identification**2.1. Classification of the substance or mixture**

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety data sheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification	Indication	Code
Serious eye damage, category 1	Causes serious eye damage.	H318
Hazardous to the aquatic environment, chronic toxicity, category 3	Harmful to aquatic life with long lasting effects.	H412

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Signal word: Danger

Hazard statements	Description
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements	Description
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280	Wear eye protection / face protection.
P310	Immediately call a POISON CENTER / doctor.
P273	Avoid release to the environment.

Contains: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0.1%.

The product does not contain substances with endocrine disrupting properties in concentration $\geq$ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	Value	Classification (EC) 1272/2008 (CLP)
INDEX	$29 \leq x < 31$	Eye Dam. 1 H318, Aquatic Chronic 3 H412
EC	931-333-8	Eye Dam. 1 H318: $\geq 10\%$, Eye Irrit. 2 H319: $\geq 4\%$ - $< 10\%$
CAS	147170-44-3	-
REACH Reg.	01-2119489410-39-0039	-

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document. In case of more severe symptoms, ask for immediate medical aid.

Route	First Aid Measures
Eyes	Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.
Skin	Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.

Ingestion	Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.
Inhalation	Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown. Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

4.3. Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTER / doctor. Means to have available in the workplace: running water for skin and eye wash.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable: carbon dioxide, foam, powder and water spray. Unsuitable: none in particular.

5.2. Special hazards arising from the substance or mixture

Do not breathe combustion products.

5.3. Advice for firefighters

Use jets of water to cool the containers to prevent product decomposition. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard. Wear suitable protective equipment (see Section 8) to prevent contamination of skin, eyes and personal clothing.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Absorb the remainder with inert absorbent material. Ensure the leakage site is well aired.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and PPE before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight.

7.3. Specific end use(s)

Information not available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters — PNEC

Medium	Value
Fresh water	13.5 µg/l
Marine water	1.35 µg/l
Fresh water sediment	14.8 mg/kg/d
Marine water sediment	1.48 mg/kg/d

Health — DNEL / DMEL

Route	Consumers - Chronic systemic	Workers - Chronic local	Workers - Chronic systemic
Oral	7.5 mg/kg bw/d	-	-
Inhalation	13.04 mg/m ³	NPI	44 mg/m ³
Skin	7.5 mg/kg bw/d	NPI	12.5 mg/kg bw/d

8.2. Exposure controls

Ensure the workplace is well aired through effective local aspiration. PPE must be CE marked. Provide an emergency shower with face and eye wash station.

Protection type	Requirement
Hand	Category III work gloves (see standard EN 374).
Skin	Category I long-sleeved overalls and safety footwear (EN ISO 20344).
Eye	Airtight protective goggles (EN ISO 16321).
Respiratory	Type A filter mask if technical measures are insufficient (EN 14387).

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value
Appearance	Colourless to pale yellow clear liquid
Odour	Characteristic, mild
Melting point / freezing point	Not available
Flash point	> 60 °C
pH	Not available
Solubility	Soluble
Density and/or relative density	1.04 – 1.08 g/cm ³
Particle characteristics	Not applicable

9.2. Other information

Information not available.

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. – 10.6. Additional stability information

No hazardous reactions are foreseeable in normal conditions of use and storage. No particular conditions to avoid. Incompatible materials and hazardous decomposition products: information not available.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains.

Acute toxicity

Route	Result
LD50 (Dermal)	> 620 mg/kg bw, Rat
LD50 (Oral)	> 2335 mg/kg bw, Rat

Hazard classes

Hazard class	Assessment
Skin corrosion / irritation	Does not meet the classification criteria
Serious eye damage / irritation	Causes serious eye damage
Respiratory or skin sensitisation	Does not meet the classification criteria
Germ cell mutagenicity	Does not meet the classification criteria
Carcinogenicity	Does not meet the classification criteria
Reproductive toxicity	Does not meet the classification criteria
STOT - single / repeated exposure	Does not meet the classification criteria
Aspiration hazard	Does not meet the classification criteria

SECTION 12. Ecological information

This product is dangerous for the environment and aquatic organisms. In the long term, it has negative effects on the aquatic environment.

Property	Result
12.2. Persistence and degradability	Information not available
12.3. Bioaccumulative potential	Biodegradability: readily biodegradable
12.4. Mobility in soil	Information not available
12.5. PBT / vPvB assessment	Does not contain PBT/vPvB $\geq 0.1\%$
12.6. Endocrine disrupting properties	None identified based on available data

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of ADR, RID, IMDG, and IATA regulations.

Field	Value
14.1. UN number	Not applicable
14.2. UN proper shipping name	Not applicable
14.3. Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	Not applicable
14.7. Maritime transport in bulk (IMO)	Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations

Item	Status
Seveso Category — Directive 2012/18/EU	None
Restrictions — Annex XVII EC 1907/2006	Product, Point 3
Regulation (EU) 2019/1148 (explosives precursors)	Not applicable
Substances in Candidate List (Art. 59 REACH)	No SVHC $\geq$ 0.1%
Substances subject to authorisation (Annex XIV REACH)	None
Substances subject to Rotterdam / Stockholm Conventions	None

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in sections 2-3 of the sheet:

Code	Description
Eye Dam. 1	Serious eye damage, category 1

Eye Irrit. 2	Eye irritation, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Note for users: The information contained in the present sheet is based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.

Author of the safety data sheet: NOVA PLUS AMBALAJLAMA LİMİTED ŞİRKETİ

Contact: info@nova-plus.net Tel: +90 536 436 49 92