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Material Safety Data sheet

1. Identification

Product identifier

Other means of identification **TIDAMIDE** (Coconut Fatty Acid Diethanol Amide)
Product code
Recommended use 0298
Recommended restrictions Surfactant
For industrial use only.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name TIDY Company
Address IRAN
Telephone +982188191753
+982188190269
E-mail info@tidyco.ir

2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category2
	Skin corrosion/irritation	Category2A
	Serious eye damage/ey	
Environmental hazards	Irritation	Category2
	Hazardous to the aquatic	
	environment, acute hazard	Category 2
OSHA defined hazards	Hazardous to the aquatic	Category 3
	environment, long-term hazard	
Label elements	Not classified.	





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Signal word	Warning
Hazard statement	Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/ regional/ national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
_Cocoamide DEA		68603-42-9	60 - < 70
Diethanolamine		111-42-2	20 - < 30
_Fatty acids, coco, compds. with diethanolamine		61790-63-4	10 - < 20
Other components below reportable levels			< 0.1





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4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately. Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting without advice from poison control center.
Most important symptoms/ effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Dry chemical, foam, carbon dioxide, water fog.
Unsuitable extinguishing media	Water. 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.





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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 breathe mist or vapor. 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.
Should not be released into the environment

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 product from entering drains. 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.

Environmental precautions

Never return spills to original containers for re-use.
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 breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.





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Conditions for safe storage, including any incompatibilities Store in original tightly closed container.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Diethanolamine (CAS 111-42-2)	TWA	1 mg/m ³	Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Diethanolamine (CAS 111-42-2)	TWA	15 mg/m ³

US.NIOSH:PocketGuideto Chemical Hazards Components

Components	Type	Value
Sulfuric acid (CAS 7664-93-9)	TWA	1 mg/m ³

Biological limit values

Exposure guidelines

No biological exposure limits noted for the ingredient(s).

US - California OELs: Skin designation

Diethanolamine (CAS 111-42-2) Can be absorbed through the skin

US ACGIH Threshold Limit Values: Skin designation

Diethanolamine (CAS 111-42-2) Can be absorbed through the skin

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. Eye wash facilities and emergency shower must be available when handling this product.





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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear 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 appropriate chemical resistant clothing. Wear protective gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate thermal protective clothing, when necessary. When using, do not eat, drink or smoke. 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.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. 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. Viscous
Physical state	Liquid.
Form	Liquid
Color	Not available
Odor	Not available
Odor threshold	Not available
pH	8 - 10 (1% in water)
Melting point/freezing point	Not available
Initial boiling point and boiling range	> 302 °F (> 150 °C)
Flash point	> 201.0 °F (> 93.9 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.





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Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Vapor density	Not available.
Solubility(ies)	Not available.
Solubility (water)	Soluble.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	1155 cP @ 25C
Other information	
Density	43 °F (6.11 °C)
Pour point	0.97 - 1 @ 25C

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 heat, sparks, open flames and other ignition sources. Avoid
Incompatible materials	temperatures exceeding the flash
Hazardous decomposition products	point. Contact with incompatible materials.No hazardous decomposition products are known

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. May cause irritation to the respiratory system.
Skin contact	Causes severe skin burns. May be harmful in contact with skin
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns. Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling,





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and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity

Harmful if swallowed. May be harmful in contact with skin.

Product (NINOL 11-CM)	Species	Test Results
Acute Dermal		
LD50	Rabbit	> 2 g/kg

Components	Species	Test Results
Cocoamide DEA (CAS 68603-42-9)		
AcuteDermal		
LD50	Rabbit	> 2 g/kg

Components	Species	Test Results
_ Diethanolamine (CAS 111-42-2)		
Acute Oral		
LD50	Rat	710 mg/kg

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization

Not available.

Skin sensitization

This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

Suspected of causing cancer

IARC Monographs. Overall Evaluation of Carcinogenicity

Cocoamide DEA (CAS 68603-42-9) 2B Possibly carcinogenic to humans.

Diethanolamine (CAS 111-42-2) 2B Possibly carcinogenic to humans.





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OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated

US. National Toxicology Program (NTP) Report on Carcinogens Not regulated

Reproductive toxicity This product is not expected to cause reproductive or developmental effects

Specific target organ toxicity - single exposure Not applicable.

Specific target organ toxicity - repeated exposure Not applicable.

Aspiration hazard Not applicable.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Product	Species	Test Results
NINOL 11-CM		
Aquatic		
Algae	EC50 Algae	< 10 mg/l, 72 hours
Crustacea	EC50 Daphnia	< 10 mg/l, 48 hours
Fish	LC50 Fish	< 10 mg/l, 96 hours

Commented [a1]:

Persistence and degradability Readily biodegradable.

Bioaccumulative potential No data available.

Mobility in soil No data available

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	Products
Hazardous waste code	Contaminated packaging
Waste from residues / unused	<p>Dispose of contents/container in accordance with local/regional/national/international regulations.</p> <p>The waste code should be assigned in discussion between the user, the producer and the waste disposal company.</p> <p>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).</p> <p>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.</p>

14. Transport information

General	The provided transportation classifications are for bulk shipments only and may not be representative of all package/shipment sizes.
DOT	
UN number	UN3082
UN proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S.
Transport hazard class(es) Class	(Diethanolamine RQ = 450 LBS
Subsidiary risk	9
Packing group	-
Special precautions for user	III
IATA	
UN number	UN3082
UN proper shipping name	RQ Environmentally Hazardous Substance, Liquid, N.O.S.
Transport hazard class(es) Class	(Diethanolamine)
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	NO
Special precautions for user	Not available
IMDG	

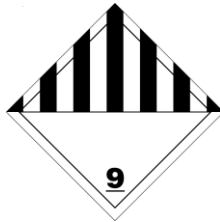




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UN number	UN3082
UN proper shipping name	RQ Environmentally Hazardous Substance, Liquid, N.O.S. (Diethanolamine)
Transport hazard class(es)	9
Class	-
Subsidiary risk	III
Packing group	
Environmental hazards	
Marine pollutant	NO
EmS	Not available.
Special precautions for user	Not available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available. Not available.
DOT: IATA; IMDG	



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)	
Diethanolamine (CAS 111-42-2)	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) SARA 302 Extremely hazardous substance	Not listed.





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SARA 311/312 Hazardous chemical

Not regulated.
Yes

Classified hazard Categories

Acute toxicity (any route of exposure) Skin corrosion or irritation
Serious eye damage or eye irritation.

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt
Sulfuric acid	111-42-2	20 - < 30

Other federal regulations
Clean Air Act (CAA) Section
112 Hazardous Air Pollutants
(HAPs) List

Diethanolamine (CAS 111-42-2)

Clean Air Act (CAA) Section 112
(r) Accidental Release Prevention
(40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

Listed date/Carcinogenic substance

Diethanolamine (CAS 111-42-2)

Listed date/Developmental toxin

Listed: June 22, 2012

California Proposition 65 – CRT

Methanol (CAS 67-56-1)

Listed date/Developmental toxin

Listed: March 16, 2012

US. California. Candidate Chemicals

Cocoamide DEA (CAS 68603-42-9)

List. Safer Consumer Products

Diethanolamine (CAS 111-42-2)

Regulations (Cal. Code Regs. tit.

22, 69502.3, subd. (a)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes





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New Zealand	New Zealand Inventory (NZIoC)	Yes
Philippine	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 08-21-2018
Revision date 08-21-2023
Version # 04
Disclaimer

Terms and Conditions. This SDS is designed only as guidance for the products to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on the manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this SDS, or in any other way related (directly or indirectly) to this SDS. The receipt and use of this information constitutes consent to these terms and conditions.

Identification: Recommended restrictions
Hazard(s) identification: Disposal Hazard(s) identification:
Prevention Hazard(s) identification: Response

Revision information





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Hazard(s) identification: Supplemental information Composition /
Information on Ingredients: Disclosure Overrides Physical &
Chemical Properties: Multiple Properties
Transport Information: Material Transportation Information
Regulatory information: California Proposition 65
HazReg Data: International Inventories GHS: Classification.

