

Material Safety Data Sheet

Revision Date: 15.10.2021

NORAKLAN KD-9

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Noraklan KD-9
Synonyms Coconut diethanolamide

Other means of identification

CAS-No 68603-42-9

Recommended use of the chemical and restrictions on use

Recommended Use: Surfactant for Industrial applications and Ingredient in detergents, shampoos, personal and home care products.

Manufacturer/Supplier

Novichem Co.
No.30, Magnolia Str, Qaem Maqam Farahani Ave.
Tehran 15886/13941 IRAN

**Contact telephone number
(Product information)** +98-21-88329799 (Hunting)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification: (GHS/Regulation EC No 1272/2008)

Acute Toxicity, Category 4 H302: Harmful if swallowed

Skin Irritation, Category 2 H315: Causes skin irritation

Eye Damage, Category 1 H318: Causes serious eye damage

Suspected Carcinogen, Category 2 H351: Suspected of causing cancer

Specific Target Organ Toxicity:

(Repeat Exposure), Category 2 H373: May cause damage to organs through prolonged or repeated exposure

Label Elements

Hazardous products which must be listed on the label:

Cocamide DEA: 85%

Diethanolamine: 7%

GHS Label Elements

Pictograms:



Signal word: Danger

Hazard and precautionary statements

Hazard statements

H302: Harmful if swallowed

H315: Causes skin irritation

H318: Causes serious eye damage

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Coconut Diethanolamide

CAS Number 68603-42-9

Chemical Name	Identification No.	GHS Classification	Concentration
Amides, coco, N,Nbis(hydroxyethyl)	CASRN: 68603-42-9 EINECS: 271-657-0	H315: Skin Irritation, Category 2 H318: Serious eye damage, Category 1 H351: Suspected of causing cancer, Category 2	> 8
2, 2-iminodiethanol	CASRN: 111-42-2 EINECS: 203-868-0	H302: Acute toxicity, Category 4 H373: Specific target organ repeated exposure, Category 2 H315: Skin irritation, Category 2 H318: Serious eye damage, Category 1 H351: Suspected of causing cancer, Category 2	< 7
Glycerin	CASRN: 56-81-5 EINECS: 200-289-5	None	9

4. FIRST AID MEASURES

Description of necessary first-aid measures

General advice: Show this safety data sheet to the doctor in attendance. First aider needs to protect himself/herself. Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation: Remove victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin contact: In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. If skin irritation continues: Get medical attention.

Eye contact: In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If present and easy to do, remove contacts. If eye irritation persists, consult a physician.

Ingestion: Do NOT induce vomiting without medical advice. Drink water as a precaution. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: CO₂, Dry Chemical, BC/ABC Extinguishers

Special hazards arising from the substance or mixture

Specific hazards during firefighting: On combustion forms carbon monoxide, carbon dioxide, potassium oxide Advice for firefighters

Special protective equipment: Self-contained breathing apparatus (EN 133)

Full protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. Do not touch damaged containers or spilled material unless wearing suitable protective clothing.

Methods for Cleaning or Taking Up

SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

LARGE SPILLS: Dike far ahead of spill for later disposal. To avoid gelling and foaming problems, do not use water to flush to industrial sewer.

Spills may be reportable to local, state, federal and/or provincial authorities.

Additional advice

Prevent entry into waterways, sewers, basements or confined areas.

7. HANDLING AND STORAGE

Handling: Advice on safe handling and usage: Avoid contact with skin and eyes.

Storage: Recommended: Keep tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	Identification No.	Type	Value	Form
Diethanolamine	CASRN: 111-42-4 EINECS: 268-761-3	TWA	2 mg/m ³	Inhalable fraction and vapor

Control Measures

Engineering measures: Avoid splashes. Apply technical measures to comply with any occupational exposure limits when applicable.

Personal protective equipment

Respiratory protection: In the case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Wear appropriate gloves. In EU member states, gloves should satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe instructions provided by the glove supplier regarding permeability and breakthrough time. Also, take into consideration the specific local conditions under which the product is used, such as danger of cuts, abrasion and the contact time. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection: Wear safety goggles. In case of contact through splashing: Wear face-shield and protective suit. Skin and body protection: Wear appropriate clothing to avoid direct skin contact. Remove and wash contaminated clothing before wearing again.

Hygiene measures: Emergency equipment nearby and immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well maintained personal protection equipment. Store the personal protection equipment in a clean location away from the work area. Contaminated work clothing should not be allowed out of the workplace. Before re-use, thoroughly clean personal protection equipment. Wash hands before breaks and immediately after handling the product. Shower or bathe at the end of working. When using the product do not eat, drink or smoke.

Protective measures: The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should take into account the performance of the protective equipment relative the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance

Form: Liquid

Physical state: Liquid

Color: Yellow

Odor: characteristic

Odor Threshold: no data available

pH: 10% Solution 10 - 11.5

Boiling point/boiling range: >150°C

Flash Point: >93.9°C

Auto-ignition temperature: no data available

Water solubility: Soluble

Solubility in other solvents: no data available

Partition coefficient: n-octanol/water: no data available **Vapor**

pressure: no data available

Evaporation rate: no data available

Relative vapor density: no data available

Density: no data available

Oxidation/Reduction Potential: no data available%

Volatile: 0

Specific Gravity: 0.9826

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous reactions

Conditions to avoid: Prolonged, excessive heat

Materials to avoid: Strong oxidizing agents, reducing agents

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Acute oral toxicity: no data available

Acute inhalation toxicity: no data available

Acute dermal toxicity: no data available

Other routes of administration: no data available

Aspiration toxicity: no data available

Skin Corrosion/Irritation

Skin irritation: Irritating to skin

Serious eye damage/Eye irritation

Eye irritation: Risk of serious damage to eyes

Carcinogenicity: no data available

ACGIH Carcinogens

Diethanolamine (CAS 111-42-2): A3 Confirmed animal carcinogen with unknown relevance to humans.

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

Mutagenicity: no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity assessment

Ecotoxicity assessment: no data available

Persistence and degradability

Biodegradability: Biodegradable

Environmental assessment: Not classified as dangerous for the environment according to EC criteria

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

14. TRANSPORT INFORMATION

ADR Not Regulated
RID Not Regulated
DOT Not Regulated
IMDG Not Regulated
IATA Not Regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

TSCA: Listed
EU (EINECS): Listed
EU (REACH): Pre-Registered
Canada (DSL): Listed
Australia (AICS): Listed
Philippines (PICCS): Listed
China (IECSC): Listed
New Zealand (NZIoC): Listed

US federal regulations

US CERCLA Hazardous Substances: Reportable quantity: Diethanolamine (CAS 111-42-2) 100 LBS **US EPCRA (SARA Title III) Section 313 - Toxic Chemical:** De minimis concentration: Diethanolamine (CAS 111-42-2) 1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Diethanolamine (CAS 111-42-2) Listed. Reportable Quantity Reportable Quantity (RQ) of this product is 2000 pounds based upon Diethanolamine(111-42-2) which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ / % of that ingredient in the product. CERCLA (Superfund) reportable quantity: Diethanolamine 100

State regulations

US - New Jersey Community RTK (EHS Survey): Reportable threshold: Diethanolamine (CAS 111-42-2) 500 LBS

US - New Jersey RTK - Substances: Listed substance: Diethanolamine (CAS 111-42-2) Substance no. 0686

US - Pennsylvania RTK - Hazardous Substances: Listed substance: Diethanolamine (CAS 111-42-2) Listed

HEALTH: 2 **FLAMMABILITY:** 1

REACTIVITY: 0

PERSONAL PROTECTION: B

16. OTHER INFORMATION

Information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.