

## 1. Identification

**Product identifier** NINOL 30-LL  
**Other means of identification**  
**Product code** 0205  
**Recommended use** Surfactant  
**Recommended restrictions** For industrial use only.  
**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer**  
**Company name** Stepan Company  
**Address** 22 West Frontage Road  
 Northfield, IL 60093  
 USA  
**Telephone** General 1-847-446-7500  
**E-mail** Not available.  
**Emergency phone number** Medical 1-800-228-5635  
 Chemtrec 1-800-424-9300  
 Chemtrec Int'l +1 703-527-3887

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Skin corrosion/irritation Category 2  
 Serious eye damage/eye irritation Category 1  
 Carcinogenicity Category 2  
**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 2  
**OSHA defined hazards** Not classified.  
**Label elements**



**Signal word** Danger  
**Hazard statement** Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. Toxic to aquatic life.  
**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.  
**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. Immediately call a poison center/doctor. Specific treatment (see this label). If skin irritation occurs: 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** Not applicable.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name  | Common name and synonyms | CAS number   | %    |
|--|--------------------------|--------------|------|
| _Amides, C12-18 and C18 unsaturated, N,N-bis(hydroxyethyl) |                          | Confidential | > 82 |
| Glycerin   |                          | 56-81-5      | < 7  |

| Chemical name                            | Common name and synonyms | CAS number   | %     |
|--|--------------------------|--------------|-------|
| Diethanolamine                           |                          | 111-42-2     | < 6   |
| Esters                                   |                          | Confidential | < 5   |
| Other components below reportable levels |                          |              | 0.577 |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.                                 |
| <b>Eye contact</b>  | 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.        |
| <b>Ingestion</b>  | Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | 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

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| <b>Unsuitable extinguishing media</b>                                | None known.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire-fighting equipment/instructions</b>                          | In the event of fire, cool tanks with water spray.  |
| <b>Specific methods</b>  | Cool containers exposed to flames with water until well after the fire is out.                |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

#### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. 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. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | 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.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| <b>Environmental precautions</b>   | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. 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

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. Avoid contact with 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. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components             | Type | Value               | Form                                |
|------------------------|------|---------------------|-------------------------------------|
| Glycerin (CAS 56-81-5) | PEL  | 5 mg/m3<br>15 mg/m3 | Respirable fraction.<br>Total dust. |

#### US. ACGIH Threshold Limit Values

| Components                    | Type | Value   | Form                          |
|-------------------------------|------|---------|-------------------------------|
| Diethanolamine (CAS 111-42-2) | TWA  | 1 mg/m3 | Inhalable fraction and vapor. |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components                    | Type | Value             |
|-------------------------------|------|-------------------|
| Diethanolamine (CAS 111-42-2) | TWA  | 15 mg/m3<br>3 ppm |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

### Exposure guidelines

#### 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** Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles) and a face shield.

**Hand protection** Wear appropriate chemical resistant gloves.

#### Skin protection

**Other** Wear suitable protective clothing. Wear protective gloves.

#### Skin protection

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

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** 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.

## 9. Physical and chemical properties

|   |  |
|---|--|
| <b>Appearance</b>                                   | Clear.   |
| <b>Physical state</b>                               | Liquid.  |
| <b>Form</b>   | Liquid.  |
| <b>Color</b>  | Amber.   |
| <b>Odor</b>   | Amine-like.                                    |
| <b>Odor threshold</b>                               | Not available.                                 |
| <b>pH</b>   | 9.5000 - 11.0000 (1% aqueous)                  |
| <b>Melting point/freezing point</b>                 | 35.6 °F (2 °C)                                 |
| <b>Initial boiling point and boiling range</b>      | > 302 °F (> 150 °C)                            |
| <b>Flash point</b>                                  | > 201 °F (> 93.9 °C) Pensky-Martens Closed Cup |
| <b>Evaporation rate</b>                             | Estimated slower than ethyl ether              |
| <b>Flammability (solid, gas)</b>                    | Not available.                                 |
| <b>Upper/lower flammability or explosive limits</b> |  |
| <b>Flammability limit - lower (%)</b>               | Not available.                                 |
| <b>Flammability limit - upper (%)</b>               | Not available.                                 |
| <b>Explosive limit - lower (%)</b>                  | Not available.                                 |
| <b>Explosive limit - upper (%)</b>                  | Not available.                                 |

|  |                                       |
|--|---------------------------------------|
| <b>Vapor pressure</b>                          | Not determined or unknown             |
| <b>Vapor density</b>                           | Estimated heavier than air            |
| <b>Relative density</b>                        | Not available.                        |
| <b>Solubility(ies)</b>                         |                                       |
| <b>Solubility (water)</b>                      | Insoluble (Soluble in lower alcohols) |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.                        |
| <b>Auto-ignition temperature</b>               | Not available.                        |
| <b>Decomposition temperature</b>               | Not available.                        |
| <b>Viscosity</b>                               | 1050 cP @ 25C                         |
| <b>Other information</b>                       |                                       |
| <b>Density</b>                                 | 8.2 lb/gal                            |
| <b>Pour point</b>                              | 57.2 °F (14 °C)                       |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.            |
| <b>Incompatible materials</b>             | Strong acids. Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Ingestion</b>    | Not available.                       |
| <b>Inhalation</b>   | Prolonged inhalation may be harmful. |
| <b>Skin contact</b> | Causes skin irritation.              |
| <b>Eye contact</b>  | Causes serious eye damage.           |

**Symptoms related to the physical, chemical and toxicological characteristics** Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

### Information on toxicological effects

#### Acute toxicity

| Product       | Species | Test Results      |
|---------------|---------|-------------------|
| NINOL 30-LL   |         |                   |
| <b>Acute</b>  |         |                   |
| <i>Dermal</i> |         |                   |
| LD50          | Rabbit  | > 2 g/kg          |
| <i>Oral</i>   |         |                   |
| LD50          | Rat     | 2000 - 5000 ml/kg |

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye damage.

#### Respiratory or skin sensitization

|                                  |   |
|----------------------------------|---|
| <b>Respiratory sensitization</b> | Not available.  |
| <b>Skin sensitization</b>        | 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

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

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**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.

## 12. Ecological information

Ecotoxicity Toxic to aquatic life.

| Product                   |      | Species  | Test Results                 |
|---------------------------|------|--|------------------------------|
| NINOL 30-LL               |      |  |                              |
| <i>Acute</i>              |      |  |                              |
| Algae                     | EC50 | Algae  | 23 mg/l, 72 hours            |
| Crustacea                 | EC50 | Crustacea  | 35 mg/l, 48 hours            |
| Fish                      | LC50 | Fish   | 31 mg/l, 96 hours            |
| Components                |      | Species  | Test Results                 |
| Esters (CAS Confidential) |      |  |                              |
| <i>Acute</i>              |      |  |                              |
| Fish                      | LC50 | Fish   | > 1000 mg/l, 96 hours        |
| Glycerin (CAS 56-81-5)    |      |  |                              |
| <b>Aquatic</b>            |      |  |                              |
| Fish                      | LC50 | Rainbow trout, donaldson trout (Oncorhynchus mykiss) | 51000 - 57000 mg/l, 96 hours |

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.

## 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 products 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

UN number UN3082  
 UN proper shipping name RQ, Environmentally Hazardous Substance, Liquid, N.O.S. (Diethanolamine RQ = 1667 lbs)  
 Transport hazard class(es)  
 Class 9  
 Subsidiary risk -  
 Packing group III  
 Environmental hazards  
 Marine pollutant No  
 Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

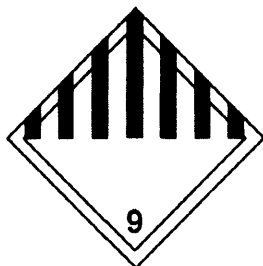
### IATA

UN number UN3082  
 UN proper shipping name RQ, Environmentally Hazardous Substance, Liquid, N.O.S. (Diethanolamine)  
 Transport hazard class(es)  
 Class 9  
 Subsidiary risk -  
 Packing group III  
 Environmental hazards No.  
 Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

**UN number** UN3082  
**UN proper shipping name** RQ, Environmentally Hazardous Substance, Liquid, N.O.S. (Diethanolamine)  
**Transport hazard class(es)**  
    **Class** 9  
    **Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
    **Marine pollutant** No.  
**EmS** Not available.  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

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.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Diethanolamine (CAS 111-42-2) Listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)**

| Chemical name  | CAS number | % by wt. |
|----------------|------------|----------|
| Diethanolamine | 111-42-2   | < 6      |

**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.

**US state regulations****US - New Jersey Community RTK (EHS Survey): Reportable threshold**

Diethanolamine (CAS 111-42-2) 500 lbs

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Diethanolamine (CAS 111-42-2)

Glycerin (CAS 56-81-5)

**US. Massachusetts RTK - Substance List**

Diethanolamine (CAS 111-42-2)

Glycerin (CAS 56-81-5)

**US. Rhode Island RTK**

Diethanolamine (CAS 111-42-2)

**US. California Proposition 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Diethanolamine (CAS 111-42-2) Listed: June 22, 2012

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

Methanol (CAS 67-56-1) Listed: March 16, 2012

**International Inventories**

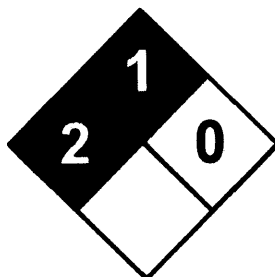
| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | 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** 07-10-2015  
**Revision date** 07-10-2015  
**Version #** 03  
**NFPA ratings**



**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.

**Revision Information**

Physical & Chemical Properties: Multiple Properties  
 Other information, including date of preparation or last revision: Disclaimer

