

# SAFETY DATA SHEET

## TWIN-CHEM DE-SOLV

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### 1. Product and Company Identification

**Product Code:** 4556  
**Product Name:** TWIN-CHEM DE-SOLV

**Revision:** 04/16/2019  
**Supersedes Revision:** 08/24/2018

**Chemical Emergency Contact (24 Hrs):** (800) 552-3787

**Supplier Info:**



TWIN-CHEM INC.  
6175 HICKORY FLAT HWY.  
SUITE #110-344  
CANTON, GA 30115

**Phone Number:**  
800/442-4958

### 2. Hazards Identification

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Aquatic Toxicity (Acute), Category 3**  
**Aquatic Toxicity (Chronic), Category 3**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H412 - Harmful to aquatic life with long lasting effects.

**GHS Precautionary Phrases:** P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection.

**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.  
P321 - Specific treatment see appropriate section on this SDS.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P362 - Take off contaminated clothing and wash before re-use.

**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container to trash after rinsing container.

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<b>Potential Health Effects (Acute and Chronic):</b>	Prolonged or repeated skin contact may cause dermatitis.
<b>Inhalation:</b>	No hazard expected in normal industrial use.
<b>Skin Contact:</b>	Causes skin irritation.
<b>Eye Contact:</b>	Causes severe eye irritation.
<b>Ingestion:</b>	Harmful if swallowed. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	7.0 -17.0 %
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	7.0 -17.0 %
102-71-6	Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol}	2.0 -3.0 %

### 4. First Aid Measures

#### Emergency and First Aid Procedures:

<b>In Case of Inhalation:</b>	If inhaled, remove to fresh air. If breathing is difficult, give oxygen.
<b>In Case of Skin Contact:</b>	In case of contact, immediately wash skin with soap and copious amounts of water. If irritation develops, get medical aid.
<b>In Case of Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
<b>In Case of Ingestion:</b>	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
<b>Signs and Symptoms Of Exposure:</b>	Exposure can cause: Nausea, headache, and vomiting.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	NE
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	NP
<b>Suitable Extinguishing Media:</b>	Use extinguishing agent suitable for type of surrounding fire.
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
<b>Flammable Properties and Hazards:</b>	No data available.

### 6. Accidental Release Measures

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: PROCEDURE(S) OF PERSONAL PRECAUTION(S) Methods for cleaning up. Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Use a spark-proof tool. Do not let this chemical enter the environment. Clean up spills immediately, observing precautions in the Protective Equipment section.
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### 7. Handling and Storage

**Precautions To Be Taken in Handling:** No special handling procedures are required.

**Precautions To Be Taken in Storing:** Store in a cool, dry place. Keep container closed when not in use.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	No data.	No data.	No data.
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	PEL: 50 ppm	TLV: 20 ppm	No data.
102-71-6	Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol}	No data.	TLV: 5 mg/m3	No data.

**Respiratory Equipment (Specify Type):** Respirator protection is not normally required.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Protective garments not normally required.

**Other Protective Clothing:** Protective garments not normally required.

**Engineering Controls (Ventilation etc.):** There are no special ventilation requirements.

**Work/Hygienic/Maintenance Practices:** Wash thoroughly after handling.

### 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Fragrant/ solvent odor.  
Clear blue liquid

**Freezing Point:** < 0.00 C

**Boiling Point:** > 100.00 C

**Decomposition Temperature:** NE

**Autoignition Pt:** NP

**Flash Pt:** NE

**Explosive Limits:** LEL: No data. UEL: No data.

**Specific Gravity (Water = 1):** 1.002 - 1.022 at 25.0 C

**Vapor Pressure (vs. Air or mm Hg):** NA

**Vapor Density (vs. Air = 1):** NA

**Evaporation Rate:** < 1 (H2O=1)

**Solubility in Water:** 100%

**Saturated Vapor Concentration:** NE

**Viscosity:** Water thin

**pH:** 7.2 - 9.2

**Percent Volatile:** < 90.0 % by weight.

**VOC / Volume:** 100.0000 G/L

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### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds.

**Incompatibility - Materials To Avoid:** Strong acids. Strong bases, Aluminum, Copper, Copper alloys, Zinc.

**Hazardous Decomposition or Byproducts:** Carbon monoxide, Nitrogen oxides.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

### 11. Toxicological Information

**Toxicological Information:** No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	n.a.	n.a.	n.a.	n.a.
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	n.a.	3	A3	n.a.
102-71-6	Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol}	n.a.	3	n.a.	n.a.

### 12. Ecological Information

No data available.

### 13. Disposal Considerations

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.  
RCRA U-Series: None listed.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not regulated as a hazardous material.

**DOT Hazard Class:**

**UN/NA Number:**

### 15. Regulatory Information

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

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	No	No	No
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	No	No	Yes-Cat. N230
102-71-6	Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol}	No	No	No

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CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR, 12(b); CA PROP.65: No
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
102-71-6	Triethanolamine {TEA; 2,2'2"-nitrilo-triethanol}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No

## 16. Other Information

**Revision Date:** 04/16/2019  
**Preparer Name:** Regulatory Affairs

**Hazard Rating System:**

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PPE	B

**HMIS:**

**Additional Information About This Product:** No data available.

**This Product:**

**Company Policy or  
Disclaimer:**

The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.