



Revision Number: 005.1

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** TURCO 5948-DPM  
**Product type:** Cleaner  
**IDH number:** 596976  
**Region:** United States  
**Company address:** Henkel Corporation  
 32100 Stephenson Highway  
 Madison Heights, MI 48071  
**Contact information:** Telephone: 248.583.9300  
 For Chemical Emergency: Call CHEMTREC at 800.424.9300  
 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b>	Liquid	<b>HEALTH:</b>	*2
<b>Color:</b>	Blue	<b>FLAMMABILITY:</b>	0
<b>Odor:</b>	Orange like	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

**WARNING:** MAY CAUSE SEVERE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects**

**Inhalation:** This product is irritating to the respiratory system. Repeated inhalation may be harmful; lung irritation and serious central nervous system disorders may result.

**Skin contact:** This product is severely irritating to the skin. Prolonged or repeated skin contact may result in redness, burning sensation or dermatitis.

**Eye contact:** This product is severely irritating to the eyes.

**Ingestion:** Harmful if swallowed. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

**Existing conditions aggravated by exposure:** Liver disorders. Kidney disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Nonylphenol ethoxylate	Proprietary	5 - 10
Dipropylene glycol monomethyl ether	34590-94-8	5 - 10
Monoethanolamine	141-43-5	1 - 5
Glycerol	56-81-5	0.1 - 1

**4. FIRST AID MEASURES**

**Inhalation:** If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

**Skin contact:** For skin contact flush with large amounts of water. If symptoms develop and persist, get medical attention.

<b>Eye contact:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Ingestion:</b>	Get immediate medical attention. Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Notes to physician:</b>	Treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	> 200 °F (> 93.33 °C) Cleveland open cup
<b>Autoignition temperature:</b>	Not applicable
<b>Flammable/Explosive limits - lower:</b>	Not applicable
<b>Flammable/Explosive limits - upper:</b>	Not applicable
<b>Extinguishing media:</b>	Use media appropriate for surrounding material.
<b>Special firefighting procedures:</b>	Wear full protective clothing. Wear self-contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	This product is an aqueous mixture which will not burn.
<b>Hazardous combustion products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Contain spill. Ventilate area. Do not allow product to enter sewer or waterways. Isolate area. Keep unnecessary personnel away.
<b>Clean-up methods:</b>	Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Dispose of according to Federal, State and local governmental regulations. Thoroughly wash the area with water after a spill or leak clean-up.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Provide adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Wash thoroughly after handling.
<b>Storage:</b>	Keep the container tightly closed and in a cool, well-ventilated place.

**For information on product shelf life, please review labels on container or check the Technical Data Sheet.**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.**

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Nonylphenol ethoxylate	None	None	None	None
Dipropylene glycol monomethyl ether	150 ppm STEL 100 ppm TWA (SKIN)	100 ppm (600 mg/m <sup>3</sup> ) TWA (SKIN)	None	None
Monoethanolamine	3 ppm TWA 6 ppm STEL	3 ppm (6 mg/m <sup>3</sup> ) TWA	None	None
Glycerol	10 mg/m <sup>3</sup> TWA Mist.	15 mg/m <sup>3</sup> TWA Total dust. 5 mg/m <sup>3</sup> TWA Respirable fraction.	None	None

<b>Engineering controls:</b>	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
<b>Respiratory protection:</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Eye/face protection:</b>	Wear chemical goggles; face shield (if splashing is possible).
<b>Skin protection:</b>	Chemical resistant, impermeable gloves. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Blue
<b>Odor:</b>	Orange like
<b>Odor threshold:</b>	Not available
<b>pH:</b>	11.7 - 12.2
<b>Vapor pressure:</b>	Not determined
<b>Boiling point/range:</b>	> 200 °F (> 93.3 °C)
<b>Melting point/ range:</b>	Not applicable
<b>Specific gravity:</b>	1.02
<b>Vapor density:</b>	> 1
<b>Flash point:</b>	> 200 °F (> 93.33 °C) Cleveland open cup
<b>Flammable/Explosive limits - lower:</b>	Not applicable
<b>Flammable/Explosive limits - upper:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Solubility in water:</b>	Complete
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	8.3 % (calculated)

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Incompatible materials:</b>	This product may react with oxidizing agents. Reaction with strong acids.
<b>Conditions to avoid:</b>	Do not mix this product with nitrites or other nitrosating agents because a carcinogenic nitrosamine may be formed.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Nonylphenol ethoxylate	No	No	No
Dipropylene glycol monomethyl ether	No	No	No
Monoethanolamine	No	No	No
Glycerol	No	No	No

Hazardous components	Health Effects/Target Organs
Nonylphenol ethoxylate	No Target Organs
Dipropylene glycol monomethyl ether	Central nervous system, Irritant, Liver
Monoethanolamine	Irritant, Kidney, Liver, Corrosive, Respiratory, Developmental
Glycerol	Blood, Irritant, Kidney, Nuisance dust

## 12. ECOLOGICAL INFORMATION

Ecological information: Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

### International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

### Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

## 15. REGULATORY INFORMATION

### United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b) Export Notification: Glycol ether (CAS# 34590-94-8).

CERCLA/SARA Section 302 EHS:  
CERCLA/SARA Section 311/312:  
CERCLA/SARA 313:

Immediate Health, Delayed Health

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Dipropylene glycol monomethyl ether (CAS# 34590-94-8).

**California Proposition 65:**

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

**Canada Regulatory Information**

**CEPA DSL/NDSL Status:**

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**WHMIS hazard class:**

D.2.A, D.2.B

**16. OTHER INFORMATION**

**This material safety data sheet contains changes from the previous version in sections:** New Material Safety Data Sheet format.

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