

Material Safety Data Sheet



Revision Number: 001.1

Issue date: 01/20/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	TURCO 6321	IDH number:	597400
Product type:	Paint stripping agents	Region:	United States
Company address:	Henkel Corporation 32100 Stephenson Highway Madison Heights, MI 48071	Contact information:	Telephone: 248.583.9300 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state:	Liquid	HEALTH:	*3
Color:	Light amber	FLAMMABILITY:	1
Odor:	Amine	PHYSICAL HAZARD:	0
Personal Protection: See MSDS Section 8			
DANGER-CORROSIVE!: CAUSES EYE, SKIN, AND DIGESTIVE TRACT BURNS. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR INHALED.			

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation:	This product may be harmful by inhalation. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.
Skin contact:	Contact with liquid may produce severe skin irritation including redness, inflammation and chemical burns.
Eye contact:	This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.
Ingestion:	This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

Existing conditions aggravated by exposure: Eye, skin and respiratory disorders.

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Monoethanolamine	141-43-5	10 - 30
2-Butoxyethanol	111-76-2	5 - 10
Diethyleneglycol monomethyl ether	111-77-3	5 - 10
Diethylene glycol monobutyl ether	112-34-5	1 - 5
Amine soap	Proprietary	1 - 5
Nonylphenol ethoxylate	Proprietary	1 - 5
Diethanolamine	111-42-2	0.1 - 1

4. FIRST AID MEASURES

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If not breathing, give artificial respiration. Get medical attention.

Skin contact: For skin contact flush with large amounts of water.

Eye contact: In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

5. FIRE FIGHTING MEASURES

Flash point: > 100 °C (> 212°F) Pensky Martens closed cup

Autoignition temperature: Not determined

Flammable/Explosive limits - lower: Not determined

Flammable/Explosive limits - upper: Not determined

Extinguishing media: Use media appropriate for surrounding material.

Special firefighting procedures: Wear full protective clothing. Wear self-contained breathing apparatus.

Unusual fire or explosion hazards: This product is combustible at high temperatures.

Hazardous combustion products: Irritating and toxic gases or fumes may be released during a fire.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Prevent further leakage or spillage if safe to do so. Wear appropriate personal protective equipment. Do not allow product to enter sewer or waterways.

Clean-up methods: Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Flush area with water to remove trace residue. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Avoid breathing vapors or mists of this product. Keep away from heat, spark and flame. Do not reuse the empty container.

Storage:

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
Monoethanolamine	6 ppm STEL 3 ppm TWA	3 ppm (6 mg/m ³) TWA	None	None
2-Butoxyethanol	20 ppm TWA	(SKIN) 50 ppm (240 mg/m ³) TWA	None	None
Diethyleneglycol monomethyl ether	None	None	None	None
Diethylene glycol monobutyl ether	None	None	None	50 ppm TWA 75 ppm STEL
Amine soap	None	None	None	None
Nonylphenol ethoxylate	None	None	None	None
Diethanolamine	(SKIN) Inhalable fraction and vapor. 1 mg/m ³ TWA Inhalable fraction and vapor.	None	None	None

Engineering controls:

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection:

Wear chemical goggles; face shield (if splashing is possible).

Skin protection:

Chemical resistant, impermeable gloves. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Light amber
Odor:	Amine
Odor threshold:	Not available.
pH:	11.3 - 11.7
Vapor pressure:	Not determined
Boiling point/range:	> 100 °C (> 212°F) calculated
Melting point/ range:	Not determined
Specific gravity:	1.00 - 1.02
Vapor density:	Not determined
Flash point:	> 100 °C (> 212°F) Pensky Martens closed cup
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Evaporation rate:	Not determined
Solubility in water:	Complete
Partition coefficient (n-octanol/water):	Not determined
VOC content:	389 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon.
Incompatible materials:	This product may react with strong acids or oxidizing agents.
Conditions to avoid:	Do not mix this product with nitrites or other nitrosating agents because a carcinogenic nitrosamine may be formed. Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Monoethanolamine	No	No	No
2-Butoxyethanol	No	No	No
Diethyleneglycol monomethyl ether	No	No	No
Diethylene glycol monobutyl ether	No	No	No
Amine soap	No	No	No
Nonylphenol ethoxylate	No	No	No
Diethanolamine	No	Group 2B	No

Hazardous components	Health Effects/Target Organs
Monoethanolamine	Irritant, Kidney, Liver, Corrosive, Respiratory, Developmental
2-Butoxyethanol	Blood, Central nervous system, Irritant, Kidney, Liver
Diethyleneglycol monomethyl ether	Blood, Brain, Central nervous system, Developmental, Irritant, Kidney, Liver, Reproductive
Diethylene glycol monobutyl ether	Blood, Central nervous system, Irritant, Kidney
Amine soap	No Records
Nonylphenol ethoxylate	No Target Organs
Diethanolamine	Allergen, Blood, Brain, Central nervous system, Corrosive, Heart, Irritant, Kidney, Liver, Respiratory, Spleen

12. ECOLOGICAL INFORMATION

Ecological information: No data available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

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:	Ethanolamine solutions
Hazard class or division:	8
Identification number:	UN 2491
Packing group:	III

International Air Transportation (ICAO/IATA)

Proper shipping name:	Ethanolamine solution
Hazard class or division:	8
Identification number:	UN 2491
Packing group:	III

Water Transportation (IMO/IMDG)

Proper shipping name:	ETHANOLAMINE SOLUTION
Hazard class or division:	8
Identification number:	UN 2491
Packing group:	III

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:	None above reporting de minimus
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health
CERCLA/SARA 313:	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). 2-Butoxyethanol (CAS# 111-76-2). Diethyleneglycol monomethyl ether (CAS# 111-77-3). Diethylene glycol monobutyl ether (CAS# 112-34-5). Diethanolamine (CAS# 111-42-2) 100 lbs. (45.4 kg)
CERCLA Reportable quantity:	100 lbs. (45.4 kg)
California Proposition 65:	This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. This product contains a chemical known in the State of California to cause cancer.

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.B, E

16. OTHER INFORMATION

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

Prepared by: Regulatory Affairs

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