

Material Safety Data Sheet



Revision Number: 001.3

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TURCO 5668
Product type: Paint stripping agents
IDH number: 597004
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

Physical state:	Liquid	HMS:	
Color:	Light brown	HEALTH:	*3
Odor:	Amine	FLAMMABILITY:	1
		PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

DANGER-CORROSIVE!: CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS.
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.
ASPIRATION HAZARD IF SWALLOWED.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Inhalation of high vapor concentrations may produce respiratory irritation, and may cause central nervous system (CNS) depression.

Skin contact: This product is irritating to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin.

Eye contact: Vapors irritate the eyes. Contact with liquid or mist will irritate the eyes. This product may be severely irritating to the eyes.

Ingestion: Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances. 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. Central and/or peripheral nervous system disorders. 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	%
N-Methyl-2-pyrrolidone	872-50-4	30 - 60
Monoethanolamine	141-43-5	10 - 30
Petroleum Distillates	Proprietary	10 - 30
Potassium hydroxide	1310-58-3	1 - 5
Diethanolamine	111-42-2	0.1 - 1
Lithium hydroxide	1310-65-2	0.1 - 1

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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:	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Get medical attention. Discard any shoes or clothing items that cannot be decontaminated.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	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.
Notes to physician:	This material, if aspirated into the lungs, may cause lipoid pneumonitis. Treat affected person appropriately.

5. FIRE FIGHTING MEASURES

Flash point:	> 93.3 °C (> 199.94 °F) Pensky Martens closed cup
Autoignition temperature:	Not determined
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray.
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:	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.

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Contain spill. Isolate area. Keep unnecessary personnel away.
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. Avoid breathing vapors or mists of this product. Keep container closed. Provide adequate ventilation. Wash thoroughly after handling. Keep away from heat, spark and flame. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.
Storage:	For safe storage, store between 4.4 °C (39.9 °F) and 50 °C (122°F) Store in a cool, dry, well-ventilated area. Store away from strong oxidizers.

For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

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
N-Methyl-2-pyrrolidone	None	None	10 ppm (40 mg/m ³) TWA (SKIN)	None
Monoethanolamine	3 ppm TWA 6 ppm STEL	3 ppm (6 mg/m ³) TWA	None	None
Petroleum Distillates	5 mg/m ³ TWA mist 10 mg/m ³ STEL mist	5 mg/m ³ TWA mist	None	None
Potassium hydroxide	2 mg/m ³ Ceiling ¹ (SKIN) Inhalable fraction and vapor.	None	None	None
Diethanolamine	1 mg/m ³ TWA Inhalable fraction and vapor.	None	None	None
Lithium hydroxide	None	None	1 mg/m ³ Ceiling ¹	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 brown
Odor:	Amine
Odor threshold:	Not available
pH:	12.0
Vapor pressure:	0.35 mm hg (-6.7 °C (19.9 °F))
Boiling point/range:	> 93.3 °C (> 199.9 °F)
Melting point/ range:	Not applicable
Specific gravity:	1.04 - 1.06 at 25 °C (77°F)
Vapor density:	> 1
Flash point:	> 93.3 °C (> 199.94 °F) Pensky Martens closed cup
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Evaporation rate:	Not available
Solubility in water:	Complete
Partition coefficient (n-octanol/water):	Not determined
VOC content:	70 - 75 %

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Incompatible materials:	This product may react with strong acids or oxidizing agents. Nitrites may react with organic amines to form nitrosamines which can cause cancer.
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
N-Methyl-2-pyrrolidone	No	No	No
Monoethanolamine	No	No	No
Petroleum Distillates	No	No	No
Potassium hydroxide	No	No	No
Diethanolamine	No	No	No
Lithium hydroxide	No	No	No

Hazardous components	Health Effects/Target Organs
N-Methyl-2-pyrrolidone	Blood, Bone Marrow, Central nervous system, Immune system, Irritant, Lung
Monoethanolamine	Irritant, Kidney, Liver, Corrosive, Respiratory, Developmental
Petroleum Distillates	Irritant
Potassium hydroxide	Corrosive, Irritant
Diethanolamine	Allergen, Blood, Brain, Central nervous system, Corrosive, Heart, Irritant, Kidney, Liver, Respiratory, Spleen
Lithium hydroxide	Central nervous system, Corrosive, Irritant

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: Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

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). N-Methyl-2-pyrrolidone (CAS# 872-50-4).
California Proposition 65:	This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL 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, E

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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