



Revision Number: 004.1

Issue date: 01/08/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TURCO RIDOLINE 909
Product type: Cleaner
IDH number: 594707
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:	Powder	HEALTH:	3
Color:	Off white	FLAMMABILITY:	0
Odor:	Mild	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS Section 8

DANGER-CORROSIVE!: CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Inhalation of dusts of this product may cause severe irritation and burns to the respiratory tract.
Skin contact: This product is severely irritating to the skin and may cause 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.

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	%
Pentasodium triphosphate	7758-29-4	10 - 30
Sodium metasilicate	6834-92-0	10 - 30
Trisodium orthophosphate	7601-54-9	10 - 30
Fatty acids, tallow, sodium salts	8052-48-0	1 - 5
4-Nonylphenol, branched	Proprietary	1 - 5
Tetrasodium pyrophosphate	7722-88-5	1 - 5

4. FIRST AID MEASURES

Inhalation: If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If symptoms develop and persist, get medical attention.

Ingestion: Get immediate medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.

5. FIRE FIGHTING MEASURES

Flash point: Not applicable

Autoignition temperature: Not applicable

Flammable/Explosive limits - lower: Not applicable

Flammable/Explosive limits - upper: Not applicable

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: Not available

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. Wear suitable protective clothing, gloves and eye/face protection.

Clean-up methods: Sweep up or gather material and place in appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Do not breathe fumes or dust from this material. Do not take internally. For industrial use only. Provide adequate ventilation. NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated.

Storage: For safe storage, store between 20 °F (-6.7 °C) and 90 °F (32.2 °C) Store in a cool, dry, well-ventilated area. Material is hygroscopic and may absorb small amount of atmospheric moisture.

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
Pentasodium triphosphate	None	None	None	None
Sodium metasilicate	None	None	None	None
Trisodium orthophosphate	None	None	5 mg/m3 STEL (as trisodium phosphate dodecahydrate)	None
Fatty acids, tallow, sodium salts	None	None	None	None
4-Nonylphenol, branched	None	None	None	None
Tetrasodium pyrophosphate	None	None	None	None

Engineering controls:	Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.
Respiratory protection:	If ventilation is not sufficient to effectively prevent buildup of dust, appropriate NIOSH/MSHA respiratory protection must be provided.
Eye/face protection:	Wear chemical goggles and / or face shield.
Skin protection:	Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder
Color:	Off white
Odor:	Mild
Odor threshold:	Not available
pH:	12.2 - 12.8 (5% solution)
Vapor pressure:	Not determined
Boiling point/range:	Not applicable
Melting point/ range:	Not determined
Specific gravity:	6.720 at 16 °C (60.8 °F)
Vapor density:	Not determined
Flash point:	Not applicable
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not applicable
Evaporation rate:	Not applicable
Solubility in water:	Complete
Partition coefficient (n-octanol/water):	Not determined
VOC content:	Not applicable

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Incompatible materials:	This product may react with strong acids or oxidizing agents. Adding water to this product may cause localized overheating and splattering.
Conditions to avoid:	None identified.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Pentasodium triphosphate	No	No	No
Sodium metasilicate	No	No	No
Trisodium orthophosphate	No	No	No
Fatty acids, tallow, sodium salts	No	No	No
4-Nonylphenol, branched	No	No	No
Tetrasodium pyrophosphate	No	No	No

Hazardous components	Health Effects/Target Organs
Pentasodium triphosphate	Corrosive, Irritant, Metabolic
Sodium metasilicate	Irritant, Corrosive, Eyes
Trisodium orthophosphate	Corrosive, Eyes, Irritant, Metabolic, Muscle, Vascular
Fatty acids, tallow, sodium salts	Irritant
4-Nonylphenol, branched	No Target Organs
Tetrasodium pyrophosphate	Corrosive, Irritant, Metabolic

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. This chemical contains phosphates.

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: Disodium trioxosilicate mixture
Hazard class or division: 8
Identification number: UN 3253
Packing group: III
DOT Reportable quantity: Sodium phosphate, tribasic

International Air Transportation (ICAO/IATA)

Proper shipping name: Disodium trioxosilicate mixture
Hazard class or division: 8
Identification number: UN 3253
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: DISODIUM TRIOXOSILICATE mixture
Hazard class or division: 8
Identification number: UN 3253
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
CERCLA/SARA 313: None above reporting de minimus
CERCLA Reportable quantity: Pentasodium triphosphate (CAS# 7758-29-4) 5,000 lbs. (2,270 kg)
Trisodium orthophosphate (CAS# 7601-54-9) 5,000 lbs. (2,270 kg)

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.

16. OTHER INFORMATION

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

Prepared by: John DiCerbo, Regulatory Affairs Specialist

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