

Material Safety Data Sheet



Revision Number: 001.1

Issue date: 07/12/2010

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TURCO AIRLION T-4090
Product type: Cleaner

IDH number: 598455

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

Physical state: Solid
Color: White
Odor: Odorless

HMIS:

HEALTH: 3
FLAMMABILITY: 0
PHYSICAL HAZARD: 0
Personal Protection: See MSDS Section 8

DANGER: CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Dusts of this product may cause irritation of the nose, throat, and respiratory tract. Repeated inhalation may be harmful; lung irritation and serious central nervous system disorders may result.

Skin contact: Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns. This product may cause an allergic skin reaction.

Eye contact: This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

Ingestion: Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

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	%
Tetrasodium pyrophosphate	7722-88-5	10 - 30
Sodium metasilicate	6834-92-0	10 - 30
Trisodium orthophosphate	7601-54-9	10 - 30
Sodium hydrogen carbonate	144-55-8	5 - 10
Sodium carbonate	497-19-8	5 - 10
Fatty acids, tallow, sodium salts	8052-48-0	1 - 5
Nonylphenol ethoxylate	Proprietary	1 - 5
Dipropylene glycol monomethyl ether	34590-94-8	1 - 5

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. If symptoms develop and persist, get medical attention.
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:	Treat symptomatically and supportively.

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:	Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.
Unusual fire or explosion hazards:	Not a fire hazard.
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. Ventilate area. Block any potential routes to water systems. Isolate area. Keep unnecessary personnel away.
Clean-up methods:	Sweep up or gather material and place in appropriate container for disposal. 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 dust. Wash thoroughly after handling. 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
Tetrasodium pyrophosphate	None	None	None	None
Sodium metasilicate	None	None	None	None
Trisodium orthophosphate	None	None	5 mg/m ³ STEL (as trisodium phosphate dodecahydrate)	None
Sodium hydrogen carbonate	None	None	None	None
Sodium carbonate	None	None	None	None
Fatty acids, tallow, sodium salts	None	None	None	None
Nonylphenol ethoxylate	None	None	None	None
Dipropylene glycol monomethyl ether	100 ppm TWA 150 ppm STEL (SKIN)	100 ppm (600 mg/m ³) TWA (SKIN)	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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Color:	White
Odor:	Odorless
Odor threshold:	Not available
pH:	> 12.0 (5% solution)
Vapor pressure:	Not applicable
Boiling point/range:	Not applicable
Melting point/ range:	Not determined
Specific gravity:	Not applicable
Vapor density:	Not applicable
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:	Soluble
Partition coefficient (n-octanol/water):	Not available
VOC content:	Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: None under normal processing.

Hazardous decomposition products: Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Incompatible materials: This product reacts with acids.

Conditions to avoid: Avoid dust formation.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Tetrasodium pyrophosphate	No	No	No
Sodium metasilicate	No	No	No
Trisodium orthophosphate	No	No	No
Sodium hydrogen carbonate	No	No	No
Sodium carbonate	No	No	No
Fatty acids, tallow, sodium salts	No	No	No
Nonylphenol ethoxylate	No	No	No
Dipropylene glycol monomethyl ether	No	No	No

Hazardous components	Health Effects/Target Organs
Tetrasodium pyrophosphate	Corrosive, Irritant, Metabolic
Sodium metasilicate	Irritant, Corrosive, Eyes
Trisodium orthophosphate	Corrosive, Eyes, Irritant, Metabolic, Muscle, Vascular
Sodium hydrogen carbonate	Irritant, Metabolic
Sodium carbonate	Irritant, Sensory
Fatty acids, tallow, sodium salts	Irritant
Nonylphenol ethoxylate	No Target Organs
Dipropylene glycol monomethyl ether	Central nervous system, Irritant, Liver

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. 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: Disodium trioxosilicate
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
Hazard class or division: 8
Identification number: UN 3253
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: DISODIUM TRIOXOSILICATE
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: Glycol ether (CAS# 34590-94-8).

CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate 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). Dipropylene glycol monomethyl ether (CAS# 34590-94-8).
CERCLA Reportable quantity: 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/NDL 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.

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