

SECTION 1: IDENTIFICATION

Product Trade Name: Chloramine T trihydrate
Other means of identification: N-chloro-4-toluenesulfonamide, sodium salt, trihydrate
Sodium chloro[(4-methylphenyl)sulfonyl]azanide hydrate (1:1:3)
Tosylchloramide sodium trihydrate

CAS No.: 7080-50-4

Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture: Industrial uses.

Uses advised against: No further relevant information available.

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

COMPANY NAME:	Airmax [®] , Inc.
COMPANY ADDRESS:	15425 Chets Way, Armada, Michigan 48005
COMPANY TELEPHONE:	Office hours (Mon - Fri) 9:00 am to 5:00 pm (866) 424-7629
COMPANY CONTACT NAME:	Main Office
EMERGENCY PHONE NUMBER:	Poison Control 800-222-1222 ChemTel 800-255-3924

Date: 02-00-23

SECTION 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification according to Regulation (EC) No 1272/2008

ACUTE TOX. 4:	H302	Harmful if swallowed.
SKIN CORR. 1C:	H314	Serious severe skin burns and eye damage.
EYE DAM. 1:	H318	Causes serious eye damage
RESP. SENS. 1:	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS LABEL ELEMENTS, LABELLING ACCORDING TO REGULATION (EC) NO 1272/2008

The substance is classified and labelled according to the CLP regulation.

GHS HAZARD SYMBOLS:



SIGNAL WORD: Danger.

HAZARD-DETERMINING COMPONENTS OF LABELLING: N-chloro-p-toluenesulfonamide sodium salt

HAZARD STATEMENTS:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

PRECAUTIONARY STATEMENTS:

P260	Do not breathe dust.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection/ hearing protection.
P284	In case of inadequate ventilation wear respiratory protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

OTHER HAZARDS: There are no other hazards not otherwise classified that have been identified.

RESULTS OF PBT AND VPVB ASSESSMENT

PBT: Not applicable.

VPVB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCES:

CAS NO. DESCRIPTION: 7080-50-4 N-chloro-p-toluenesulfonamide sodium salt

SECTION 4: FIRST AID MEASURES

INGESTION: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

INHALATION: Supply fresh air. Seek immediate medical advice. Provide oxygen treatment if affected person has difficulty breathing.

SKIN CONTACT: If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.

Wash affected area of skin thoroughly with soap and water and remove and wash contaminated clothing and equipment before reuse. If skin irritation persists after washing, seek medical attention.

EYE CONTACT: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Asthma attacks. Breathing difficulty. Dizziness. Caustic effect on skin and mucous membranes. Gastric or intestinal disorders when ingested. Nausea in case of ingestion.

HAZARDS: May cause sensitisation by inhalation. Harmful if swallowed. Danger of impaired breathing.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

If any symptoms are observed, contact a physician and give them this SDS sheet and/or the product container or label.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use Dry Chemical, CO₂ or Chemical Foam to extinguish.

UNSUITABLE EXTINGUISHING MEDIA: None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: During heating or in case of fire poisonous gases are produced.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Hydrogen chloride gas, Sodium oxides.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

Full protective clothing and NIOSH-approved self-contained breathing apparatus should be worn. Use water spray to cool exposed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS: Isolate area and prevent access. Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Sweep up and place into an appropriate container. Clean the affected area carefully; suitable cleaners are: Warm water and cleansing agent
Send for recovery or disposal in suitable receptacles.

REFERENCE TO OTHER SECTIONS: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Caution! Keep out of reach of children. Keep container closed. Prevent formation of dust. Any unavoidable deposit of dust must be regularly removed. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Storerooms and receptacles: Avoid storage near extreme heat, ignition sources or open flame. Store in cool, dry conditions in well sealed receptacles. Common Storage facility: Store away from foodstuffs. Do not store together with acids. Store away from oxidising agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

WORKPLACE:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

EXPOSURE CONTROLS:

GENERAL PROTECTIVE AND HYGIENIC MEASURES:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Avoid breathing dust.

RESPIRATORY PROTECTION:

Use suitable respiratory protective device when high concentrations are present. NIOSH or EN approved organic vapour respirator equipped with a dust/mist prefilter should be used.

PROTECTION OF HANDS:



Protective Gloves

MATERIAL OF GLOVES:

Nitrile rubber, NBR
Neoprene gloves
Butyl rubber, BR
Natural rubber, NR

EYE PROTECTION:



Safety Glasses

**BODY PROTECTION:
LIMITATION AND SUPERVISION OF
EXPOSURE INTO THE ENVIRONMENT:
RISK MANAGEMENT MEASURES:**

Follow relevant national guidelines concerning the use of protective eyewear. Protective work clothing

Avoid release to the environment.
No further relevant information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

PHYSICAL STATE:

Solid

COLOR:

According to product specification

ODOR:

Characterisitic

ODOR THRESHOLD:

No data available

PH:

Alkaline

MELTING POINT/FREEZING POINT:

No data available

INITIAL BOILING POINT AND

BOILING RANGE:

Decomposes

FLASH POINT:

Not applicable

EVAPORATION RATE:

Not applicable

FLAMMABILITY (SOLID, GAS):

Non-flammable

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not applicable
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY:	Not applicable
RELATIVE DENSITY:	1,4007
SOLUBILITY:	Water
PARTITION COEFFICIENT (N-OCTANOL/WATER):	No data available
AUTO-IGNITION TEMPERATURE:	No data available
DECOMPOSITION TEMPERATURE:	120-165 °C (248-265 °F)
VISCOSITY:	No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not chemically reactive.
CHEMICAL STABILITY:	Stable under normal ambient and anticipated conditions of use.
POSSIBILITY OF HAZARDOUS REACTIONS:	Toxic fumes may be released if heated above the decomposition point. Contact with acids releases toxic gases. Reacts with strong oxidising agents.
CONDITIONS TO AVOID:	Moisture
INCOMPATIBLE MATERIALS:	Warning! Do not use together with other products. May release dangerous gases (chlorine). Oxidising agents: Acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under fire conditions only: Carbon monoxide and carbon dioxide, Hydrogen chloride (HCl), Chlorine, Nitrogen oxides, Sulphur oxides (SOx), Chlorine compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INHALATION:	Expected route of entry.
EYE CONTACT:	Expected route of entry.
SKIN CONTACT:	Expected route of entry.
INGESTION:	Expected route of entry.
ACUTE TOXICITY:	Harmful if swallowed
LD/LC50 VALUES RELEVANT FOR CLASSIFICATION:	None.
SKIN CORROSION/IRRITATION:	Causes severe skin burns and eye damage.
SERIOUS EYE DAMAGE/IRRITATION:	Causes serious eye damage.
RESPIRATORY OR SKIN SENSITISATION:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GERM CELL MUTAGENICITY:	No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).
CARCINOGENICITY:	No information available on the mixture, however none of the components have been classified for carcinogenicity (or are below the concentration threshold for classification).
REPRODUCTIVE TOXICITY:	No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

SPECIFIC TARGET ORGAN TOXICITY

SINGLE EXPOSURE:	No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).
REPEAT EXPOSURE:	No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).
ASPIRATION HAZARD:	No information available on the mixture, however none of the components have been classified for aspiration hazard (or are below the concentration threshold for classification).

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY:	No further relevant information available.
PERSISTENCE AND DEGRADABILITY:	Biodegradeable
BIOACCUMULATIVE POTENTIAL:	No further relevant information available.
MOBILITY IN SOIL:	No further relevant information available.
RESULTS OF PBT AND VPVB ASSESSMENT:	PBT: Not Applicable. vPvB: Not Applicable.
OTHER ADVERSE EFFECTS:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:

Clean Package Recommendation: The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packaging recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORTATION AND SHIPPING INFORMATION

UN-NUMBER DOT, ADR/RID/ADN, IMDG, IATA: UN3263
UN PROPER SHIPPING NAME:- CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (tosylchloramide sodium trihydrate)

TRANSPORT HAZARD CLASS(ES)

DOT:



Class: 8
Label: 8

ADR/RID/ADN:



Class: 8 (C8)
Label: 8

IMDG:



Class: 8
Label: 8

IATA:



Class 8
Label: 8

PACKING GROUP: DOT, ADR/RID/ADN, IMDG, IATA: III

ENVIRONMENTAL HAZARDS: Not applicable.

SPECIAL PRECAUTIONS FOR USER: WARNING: Corrosive substances.

HAZARD IDENTIFICATION NUMBER (KEMLER CODE): 80

EMS NUMBER: F-A,S-B

SEGREGATION GROUPS: Alkalis

TRANSPORT IN BULK ACCORDING TO ANNEX II

OF MARPOL AND THE IBC CODE: Not applicable.

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

SECTION 302 (EXTREMELY HAZARDOUS SUBSTANCES):	Substance is not listed.
SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS):	Substance is not listed.
TSCA (TOXIC SUBSTANCES CONTROL ACT):	Substance is not listed.
PROPOSITION 65 (CALIFORNIA):	Substance is not listed.
CHEMICALS KNOWN TO CAUSE CANCER:	Substance is not listed.
CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY FOR FEMALES:	Substance is not listed.
CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY FOR MALES:	Substance is not listed.
CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY:	Substance is not listed.
EPA (ENVIRONMENTAL PROTECTION AGENCY):	Substance is not listed.

IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER): Substance is not listed.
CANADIAN DOMESTIC SUBSTANCES LIST (DSL): Substance is listed or exempt.

OTHER REGULATIONS, LIMITATIONS AND PROHIBITIVE REGULATIONS

SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57: Substance is not listed.

CHEMICAL SAFETY ASSESSMENT: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

ABBREVIATIONS AND ACRONYMS:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bio-accumulable, Toxic
SVHC:	Substances of Very High Concern
vPvB:	very Persistent and very Bioaccumulative
Acute Tox. 4:	Acute toxicity - oral – Category 4
Skin Corr. 1C:	Skin corrosion/irritation – Category 1C
Eye Dam. 1:	Serious eye damage/eye irritation – Category 1
Resp. Sens. 1:	Respiratory sensitisation – Category 1

SOURCES:

Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN:978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

KEEP OUT OF REACH OF CHILDREN

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