

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name Chloramine-T Tablets

#### 1.2 Relevant identified uses and uses advised against

Relevant identified uses Disinfectant for drinking water.  
Uses advised against None.

#### 1.3 Details of the manufacturer or supplier

Supplier VEIP bv  
Address Molenvliet 1  
3960 BB Wijk bij Duurstede  
The Netherlands  
Telephone number +31 343 57 22 44  
Fax +31 343 57 71 04  
E-mail address info@veipdisinfectants.com

#### 1.4 Emergency telephone number

Emergency +31 343 57 22 44

##### Medical information

The Netherlands +31 (0)30-274 88 88 NVIC Utrecht, for emergency services only  
United Kingdom 844 892 0111 National Poisons Information Service  
Worldwide Internet address: <http://apps.who.int/poisoncentres/>

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

*According to Regulation (EC) No. 1272/2008*

Hazard classes	Classification
Acute toxicity	Acute Tox. 4, H302
Skin corrosion/irritation	Skin Corr. 1B, H314
Respiratory sensitization	Resp. Sens. 1, H334

For full text of Hazard statements: see subsection 2.2.

#### 2.2 Label elements

##### 2.2.1 Hazard pictograms



2.2.2 Signal word DANGER

##### 2.2.3 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.
EUH031	Contact with acids liberates toxic gas.

##### 2.2.4 Precautionary statements

P260	Do not breathe dust / spray.
P280	Wear protective gloves / protective clothing / eyeprotection.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER / doctor.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

# Chloramine-T Tablets



## Safety Data Sheet

According to Regulation (EC) no. 1907/2006  
as amended by  
Regulation (EU) 2020/878

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P310 Immediately call a POISON CENTER / doctor / physician.

### 2.3 Other hazards

The product does not meet the criteria for PBT or vPvB and is not included in the ECHA endocrine disruptor assessment list.

## SECTION 3: Composition/information on ingredients

**3.1 Substances** Not applicable.

### 3.2 Mixtures

Ingredients		Classification	Percentage
<b>Sodium p-toluenesulfonchloramide, trihydrate</b>			90 - 95
CAS-No.	7080-50-4	Acute tox. 4, H302	
EC-No.	204-854-7	Skin Corr. 1B, H314	
Registration No.	Exemption from REACH	Resp. Sens. 1, H334	
<b>Additives</b>			5 - 10
CAS-No.	Not applicable	Not classified.	
EC-No.	Not applicable		
Registration No.	Not applicable		

For the full text of the risk phrases and hazard statements mentioned in sections 2 and 3 see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### 4.1.1 Inhalation

Fresh air, rest. Get medical advice / attention if you feel unwell.

#### 4.1.2 Skin contact

Remove contaminated clothes, rinse skin with water or shower.

#### 4.1.3 Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do; continue rinsing. If eye irritation persists: call a doctor / physician.

#### 4.1.4 Ingestion

Rinse mouth, drink plenty of water and call immediately a doctor / physician. Do NOT induce vomiting

### 4.2 Most important symptoms and effects, both acute and delayed

#### 4.2.1 Acute symptoms and effects from exposure

Inhalation of high concentrations of dust may cause pneumonia.

It is possible that the symptoms of pneumonia occur after several hours or days. Therefore, medical observation is required.

#### 4.2.2 Delayed symptoms and effects from exposure

May cause a disease of the mucous membranes of the upper respiratory tract to people who are sensitive to chlorine.

Intensive contact with the skin may cause skin disease (eczema).

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### 5.1.1 Suitable extinguishing media

Powder, water spray.

##### 5.1.2 Unsuitable extinguishing media

Carbon dioxide.

#### 5.2 Special hazards arising from the substance or mixture

In case of fire the product emits toxic fumes including hydrogen chloride, nitrogen-, sulfur- and carbonoxides.

#### 5.3 Advice for firefighters

##### 5.3.1 Protective actions

In case of fire: keep containers cool by spraying with water.

##### 5.3.2 Special protective equipment

Full protective suit, self-contained respiratory protective.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Protective clothing, gloves, boots. Respiratory protection.

#### 6.2 Environmental precautions

Keep away from drains, surface water or soil.

#### 6.3 Methods and material for containment and cleaning up

Scoop up spilled product and store in a drum. Wash away any residue with water.

#### 6.4 Reference to other sections

See also sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Use only in well-ventilated areas.

Wear the prescribed personal protective equipment.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### 7.2.1 Fire and explosion prevention

Keep container in a cool, dry place.

Store in a closed container.

Keep in a fire-resistant place separate from oxidising agents and acids.

##### 7.2.2 Protection against ambient influences

Protect against contact with hot surfaces (steam pipelines) and direct sunlight.

Suitable materials for packaging: approved plastic.

#### 7.3 Specific end use(s)

Please contact the supplier.

### SECTION 8: Exposure controls / personal protection

#### 8.1 Controloparameters

##### 8.1.1 Exposure limit values

TWA limit value 8 hours      Not established

# Chloramine-T Tablets



## Safety Data Sheet

According to Regulation (EC) no. 1907/2006  
as amended by  
Regulation (EU) 2020/878

TWA limit value 15 min. Not established

### 8.2 Exposure controls

#### 8.2.1 Technical measures

Ventilation and local extraction.

#### 8.2.2 Individual protective measures

Eye protection

In case of release of dust: safety goggles (NEN-EN 166).

##### Skin protection

###### – Hands

Gloves nitril rubber 0.7 mm gloves

Breakthrough time > 8 hours (NEN-EN 374)

Gloves inear low-density polyethylene (LLDPE) 0.75 mm gloves

Breakthrough time > 8 hours (NEN-EN 374)

###### – Other measures

Protective clothing (NEN-EN 340).

##### Respiratory protection

In case of release of dust: respirator filter mask type P2 (NEN-EN 143).

##### Thermal hazards

Not applicable.

#### 8.2.3 Environmental exposure controls

Remove contaminated air from the local extractor and drain waste water in accordance with local environmental regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Physical state	Tablet
b) Colour	White
c) Odour / Odour threshold (mg/m <sup>3</sup> )	Chlorine-like
d) Melting point / freezing point (°C)	167 (decomposition)
e) Boiling point or initial boiling point and boiling range (°C)	Not applicable
f) Flammability	Not classified
g) Lower and upper explosion limit (vol%)	Not applicable
h) Flash point (°C)	Not applicable
i) Auto-ignition temperature (°C)	600
j) Decomposition temperature (°C)	> 165 ; the substance changes at 60 °C in the anhydrous form.
k) pH (5% solution)	8 - 10
l) Kinematic viscosity at 20 °C (mm <sup>2</sup> /s)	Not applicable
m) Solubility in water at 25 °C (g/L)	150
n) Partition coefficient n-octanol/water (log value)	– 1.3
o) Vapour pressure at 20 °C (hPa)	1.06 x 10 <sup>-7</sup>
p) Density (g/cm <sup>3</sup> ) and/or Relative density (water = 1)	1.4
q) Relative vapour density (air = 1)	Not applicable
r) Particle characteristics (particle size)	Tablets

### 9.2 Other information

9.2.1 Information with regard to physical hazard classes Not classified

9.2.2 Other safety characteristics No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

A solution in water has oxidising properties.

No hazardous reaction if instructions for handling and storage are observed.

### 10.2 Chemical stability

The product is stable when stored at normal ambient temperature.  
Decomposes slowly on exposure to moisture.  
May violently decompose above 120 °C.

### 10.3 Possibility of hazardous reactions

Reacts violently with strong oxidants and acids with the formation of toxic chlorine gas

### 10.4 Conditions to avoid

Storage temperatures >40 °C. Ignition sources (open flames, hot surfaces and sparks).  
Contact with strong oxidizers may cause fire and explosions.

### 10.5 Incompatible materials

Strong oxidising and acids.

### 10.6 Hazardous decomposition products

Does not decompose if used and stored as directed.

## SECTION 11 Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### a) Acute toxicity

– Oral	LD50 (rat)	> 382 mg/kg
– Dermal	LD50 (rabbit)	> 2 000 mg/kg (8% solution)
– Inhalation	LC50 (rat, 4 hours)	> 0.275 mg/L (dust)

#### b) Skin corrosion/irritation

The substance is irritating to the skin.

#### c) Serious eye damage/irritation

The substance is corrosive to eyes.

#### d) Respiratory or skin sensitisation

Inhalation of liberated dust can cause allergy or asthma symptoms or breathing difficulties.

#### e) Germ cell mutagenicity

Genotoxicity in vivo: Micronucleus test: negative.

Genotoxicity in vitro: Ames-test negative

#### f) Carcinogenicity

No data available.

#### g) Reproductive toxicity

No data available.

#### h) Specific target organ toxicity – single exposure

Liberated dust may irritate the respiratory tract.

#### i) Specific target organ toxicity – repeated exposure

No data available.

#### j) Aspiration hazard

No data available.

#### 11.1.1 Information on likely routes of exposure

The substance can be absorbed into the body by inhalation of dust and after ingestion.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

No endocrine disrupting properties identified.

#### 11.2.2 Other information

Not applicable.

### SECTION 12: Ecological information

#### 12.1 Toxicity

– Fish	LC50, 96 hours	100 mg/L
	NOEC 35 d	> 1.1 mg/L
– Crustaceans	LC50 Daphnia, 48 hours	4.5 mg/L
	NOEC 21 d	> 1.1 mg/L
– Algae	ErC50, 72 hours	13 mg/L
	NOEC	> 3 mg/L

#### 12.2 Persistence and degradability

Biodegradation 28 days: 90%  
The product is readily biodegradable.

#### 12.3 Bioaccumulation potential

Bioconcentration factor (BCF): 1,125  
Log K octanol / water: – 1,3  
No significant potential for bioaccumulation (BCF < 500 and log K octanol/water < 4).

#### 12.4 Mobility in soil

Koc-waarde: 2244  
**The product is little mobile in the soil.**

#### 12.5 Results of PBT and vPvB assessment

The product contains no substances to be considered as PBT or vPvB.

#### 12.6 Endocrine disrupting properties

Adverse environmental effects of endocrine disruptors are not relevant (see subsection 2.3)

#### 12.7 Other adverse effects

Hazardous to water.  
German hazard codes for water (WGK): 2

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product disposal

Dispose of to a registered incineration plant for solids, or as hazardous waste in accordance with local regulations.

Do not dispose of the product in residual household waste.

Prevent the waste product reaching sewers.

##### Packaging disposal

Dispose of packaging with remainders as hazardous waste.

Cleaned packagings may be reused.

##### Waste treatment-relevant information

European list of waste (EURAL): 07 04 13.

### SECTION 14: TRANSPORT INFORMATION

14.1 UN-number or ID-number	3263
14.2 Proper shipping name	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (sodium p-toluenesulfonchloramide)
14.3 Transport hazard class	8

<b>14.4</b>	<b>Packinggroup</b>	III
<b>14.5</b>	<b>Environmental hazards</b>	
	Marine pollutant	No
<b>14.6</b>	<b>Specials precautions for user</b>	
	Label	8
	Tunnel restriction code	(E)
	Hazard Identification Number	80
	Transport category	3
	Limited quantity (LQ)	5 kg (inner package) / 30 kg (package) By IATA is only a ceiling for the outer package viz a maximum of 25 kg for a package when transported by passenger / cargo aircraft and 100 kg when transported by cargo aircraft.
	Excepted quantity	E1
<b>14.7</b>	<b>Maritime transport in bulk according to IMO instruments</b>	Not applicable.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

The applicable EU-/national regulations have to be observed.

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out for sodium p-toluenesulfonchloramide, trihydrate.

### SECTION 16: Other information

#### 16.1 Information on revision

**Previous version** 2.0  
**Reason for changes** Adaptation to Regulation (EU) 2020/878.

#### 16.2 Abbreviations and acronyms

CAS	Chemical Abstracts Service (Division American Chemical Society)
CLP	Classification, Labelling and Packaging
DNEL	Derived No Effect Level
EC50	Effect Concentration, 50 percent
GHS / CLP	Globally Harmonised System / Classification, Labelling and Packaging
IC50	Inhibitory Concentration, 50 percent
LC50	Lethal Concentration, 50 percent
LD50	Lethal Dose, 50 percent
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
ppm	Parts per million
TWA	Time Weighted Average
vPvB	very Persistent and very Bioaccumulative

#### 16.3 Literature references and sources for data

CGTB-data base and external Safety Data Sheets.

#### 16.4 Full text of Hazard statements which are not written out in full under Sections 2 to 15

None.

# Chloramine-T Tablets



## Safety Data Sheet

According to Regulation (EC) no. 1907/2006  
as amended by  
Regulation (EU) 2020/878

### 16.5 Training recommendations

Ensure that there is proper information, instruction and training available for users.

This data sheet has been compiled by KWA. Despite the careful attention paid to the setting up of the text, KWA cannot be held responsible for any error appearing in the text and resulting in whatever damage it may cause.  
KWA, Spijksedijk 18c, 4207 GN Gorinchem, The Netherlands. Phone +31 183 649 556