

Revision number: 1 Revision date: 07/06/2018

### 1. IDENTIFICATION

Product name: Product code:

#### Product use: Restrictions on use:

Company: TCI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales-US@TCIchemicals.com www.TCIchemicals.com

### 2. HAZARD(S) IDENTIFICATION

OSHA Haz Com: CFR 1910.1200: Eye Damage/Irritation [Category 1] WHMIS 2015: Corrosive to Metals [Category 1]

Signal word:

Danger!

May develop pressure

May be corrosive to metals Causes severe skin burns and eye damage

Pictogram(s) or Symbol(s):

Hazard Statement(s):



Precautionary Statement(s): [Prevention]

[Response]

[Storage] [Disposal] skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a poison center or doctor. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor. Absorb spillage to prevent material damage. Store in corrosive resistant bottle or metal container with a resistant inner liner. Store locked up. Dispose of contents and container in accordance with local, regional, national regulations (e.g. US: 40 CFR Part 261, EU:91/156/EEC, JP: Waste Disposal and Cleaning Act, etc.).

Keep only in original container. Do not breathe dusts or mists. Wash hands and face thoroughly after

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If on

handling. Wear protective gloves, protective clothing, face protection.

Hazards not otherwise classified: [HNOC] 2-Nitrobenzenesulfonyl Chloride N0142

For laboratory research purposes. Not for drug or household use.

Skin Corrosion/Irritation [Category 1B]

## Emergency telephone number:

Chemical Emergencies: TCI America (8:00am - 5:00pm) PST +1-503-286-7624 Transportation Emergencies: Chemtrec 24-Hour +1-800-424-9300 (U.S.A.) +1-703-527-3887 (International) **Responsible department:** TCI America Environmental Health Safety and Security +1- 503-286-7624

# TCI AMERICA SAFETY DATA SHEET

## **TCI AMERICA**

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture:	Substance
Components:	2-Nitrobenzenesulfonyl Chloride
Percent:	>95.0%(GC)(T)
CAS RN:	1694-92-4
Molecular Weight:	221.61
Chemical Formula:	C <sub>6</sub> H <sub>4</sub> CINO <sub>4</sub> S
Synonyms:	o-Ns-Cl

# 4. FIRST-AID MEASURES

Description of first aid measures	
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician.
Ingestion:	Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.
Symptoms/effects:	
Acute:	Pain. Redness.
Delayed:	No data available
Indication of any immediate medical at Not available. Notes to physician: No data available	itention:

# 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Unsuitable extinguishing media:	Dry chemical, carbon dioxide. Water
Specific hazards arising from the chemical:	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.
Hazardous combustion products: Other specific hazards:	These products include: Carbon oxides Nitrogen oxides Sulfur oxides Halogenated compounds WARNING: Highly toxic HCI gas is produced during combustion.
Advice for firefighters:	Wear self-contained breathing apparatus if possible.

6. ACCIDENTAL RELEASE MEASU	RES
Democratic manufactions	Lice personal protective equipment. Keep people every from and unwind of anil/look. Entry to

Personal precautions, protective equipment and emergency procedures: Environmental precautions: Methods and materials for containment and cleaning up: Prevention of secondary hazards:	Prevent product from entering drains.
7. HANDLING AND STORAGE	
Precautions for safe handling:	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent
	dispersion of dust. Wash hands and face thoroughly after handling.
	Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.
	Avoid contact with skin, eyes and clothing.
	May develop pressure. Open carefully. Use corrosive resistant equipment.
Conditions for safe storage, including a	
Storage conditions:	Keep container tightly closed. Store in a cool and dark place.
	Store under inert gas. Protect from moisture. Store locked up.
	Store away from incompatible materials such as oxidizing agents.
	Moisture-sensitive
Packaging material:	Comply with laws. Keep only in original container.

**TCI AMERICA** 

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls:	Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust. Also install safety shower and eye bath.
Personal protective equipment	
Respiratory protection:	Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
Hand protection:	Impervious gloves.
Eye protection:	Safety goggles. A face-shield, if the situation requires.
Skin and body protection:	Impervious protective clothing. Protective boots, if the situation requires.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form: Colour: Odour: Odor threshold: Odour threshold:	Solid Crystal - Powder White - Yellow No data available No data available No data available		
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic viscosity: Log Pow:	64°C (147°F) No data available No data available No data available No data available No data available	pH: Vapour pressure: Vapour density: Dynamic Viscosity: Evaporation rate(Butyl	No data available No data available. No data available No data available No data available
Flash point: Flammability(solid, gas):	No data available No data available	Acetate=1): Autoignition temperature: Flammability or explosive limits: Lower: Upper:	No data available No data available No data available
Solubility(ies): [Water] [Other solvents] Soluble:	No data available Toluene	00001	

10. STABILITY AND REACTIVITY

Reactivity:No data availableChemical stability:Stable under proper conditions.Possibility of hazardous reactions:Decomposes in contact with water and liberates toxic gases.Conditions to avoid:MoistureIncompatible materials:Oxidizing agents, BasesHazardous decomposition products:Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx), Hydrogen chloride, Sulfur oxides

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available				
Skin corrosion/irritation: No data available				
Serious eye damage/irritation: No data available				
Respiratory or skin sensitization: No data available				
Germ cell mutagenicity: No data available				
<b>Carcinogenicity:</b> No data available				
IARC: No data available	NTP:	No data available	OSHA:	No data available
<b>Reproductive toxicity:</b> No data available				
Target organ(s):	No data available			
12. ECOLOGICAL INFORMATION				
Ecotoxicity:				
Fish:	No data available			
Grustacea:	No data available			
Crustacea: Algae:	No data available No data available			
Algae:				
Algae: Persistence / degradability: Bioaccumulative potential(BCF):	No data available			
Algae: Persistence / degradability: Bioaccumulative potential(BCF): Mobility in soil	No data available No data available			
Algae: Persistence / degradability: Bioaccumulative potential(BCF):	No data available No data available No data available			
Algae: Persistence / degradability: Bioaccumulative potential(BCF): Mobility in soil Log Pow:	No data available No data available No data available No data available			
Algae: Persistence / degradability: Bioaccumulative potential(BCF): Mobility in soil Log Pow: Soil adsorption (Koc):	No data available No data available No data available No data available No data available			
Algae: Persistence / degradability: Bioaccumulative potential(BCF): Mobility in soil Log Pow: Soil adsorption (Koc):	No data available No data available No data available No data available No data available No data available			
Algae: Persistence / degradability: Bioaccumulative potential(BCF): Mobility in soil Log Pow: Soil adsorption (Koc): Henry's Law (PaM ³/mol):	No data available No data available No data available No data available No data available No data available No data available Recycle to process Local rules and re and burn in a cher intended to provid with this section et Identification and I	nical incinerator equipped with a e assistance but does not replac nsure regulatory compliance acc	issolve or mix mat an afterburner and ce these laws, nor cording to the law. listed in 40 CFR F	erial with a combustible solvent scrubber system. This section is does compliance in accordance US EPA guidelines for Parts 261. The product should not

14. TRANSPORT INFORMATION

<u>DOT (US)</u> UN number: UN3261	<b>Proper Shipping Name:</b> Corrosive solid, acidic, organic, n.o.s	<b>Class or Division:</b> 8 Corrosive material	Packing Group:
<u>IATA</u> UN number: UN3261	<b>Proper Shipping Name:</b> Corrosive solid, acidic, organic, n.o.s	Class or Division: 8 Corrosive material	Packing Group: II
IMDG UN UN3261 numb er:	Proper Shipping Name: Corrosive solid, acidic, organic, n.o.s	Class or Division: 8 Corrosive material	Packing Group: II
EmS number:	F-A, S-B		

## 15. REGULATORY INFORMATION

#### Toxic Substance Control Act (TSCA 8b.):

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

US Federal Regu	lations		
CERCLA Hazardo	ous substance a	and Reportable Quantity:	
SARA 313:		Not Listed	
SARA 302:		Not Listed	
State Regulations	8		
State Right-to-Kn			
Massachuset		Not Listed	
		Not Listed	
New Jersey	_	Not Listed	
Pennsylvania			
California Propos	Sition 65:	Not Listed	
Other Information	n		
Other Information	<u>n</u>		HMIS Classification
NFPA Rating:	—		HMIS Classification:
NFPA Rating: Health:	3		Health:
NFPA Rating: Health: Flammability:	 3 0		Health: Flammability:
NFPA Rating: Health:	3		Health:
NFPA Rating: Health: Flammability: Instability:	3 0 0		Health: Flammability:
NFPA Rating: Health: Flammability: Instability: International Inve	3 0 0		Health: Flammability:
NFPA Rating: Health: Flammability: Instability: International Inve Canada: NDSL	3 0 0	On NDSL	Health: Flammability:
NFPA Rating: Health: Flammability: Instability: International Inve	3 0 0	On NDSL 216-907-1	Health: Flammability:

## 16. OTHER INFORMATION

### Revision date: 07/06/2018

#### Revision number: 1

TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.

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