

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

1. IDENTIFICATION

Product name: Product code:

[HNOC]

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: WHMIS 2015:	Acute Toxicity - Inhalation [Category 3] Eye Damage/Irritation [Category 1] Corrosive to Metals [Category 1] Skin Corrosion/Irritation [Category 1B]
Signal word:	Danger!
Hazard Statement(s):	May be corrosive to metals Toxic if inhaled Causes severe skin burns and eye damage
Pictogram(s) or Symbol(s):	
Precautionary Statement(s): [Prevention]	Keep only in original container. Do not breathe dusts or mists. Use only outdoors or in a well-ventilated area. Wash hands and face thoroughly after handling. Wear protective gloves, protective clothing, face protection.
[Response]	If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If on 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.
[Storage]	Store in corrosive resistant bottle or metal container with a resistant inner liner. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
[Disposal]	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.).
Hazards not otherwise classified:	May be harmful if swallowed. Lachrymator

Terephthaloyl Chloride

Not for drug or household use.

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SAFETY DATA SHEET

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

T0017

For laboratory research purposes.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3. COMPOSITION/INFORMATION O	N INGREDIENTS	
Substance/mixture: Components: Percent: CAS RN: Molecular Weight: Chemical Formula: Synonyms:	Substance Terephthaloyl Chloride >99.0%(GC)(T) 100-20-9 203.02 C ₈ H ₄ Cl ₂ O ₂ Terephthaloyl Dichloride	
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. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.	
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and e Continue rinsing.Immediately call a POISON CENTER or doctor/physician. Ingestion: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce		
Symptoms/effects:		
Acute:	Pain. Redness.	
Delayed:	No data available	
Indication of any immediate medical attended to available. Notes to physician: No data available	ention:	
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 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	
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	any incompatibilities
Storage conditions:	Keep container tightly closed. Store in a cool, dark and well-ventilated 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.

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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 - Almost white Musty No data available No data available		
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic viscosity: Log Pow:	83°C (181°F) 266°C (511°F) No data available No data available No data available No data available	pH: Vapour pressure: Vapour density: Dynamic Viscosity: Evaporation rate(Butyl Acetate=1):	No data available No data available. 7 No data available No data available
Flash point: Flammability(solid, gas):	No data available No data available	Autoignition temperature: Flammability or explosive limits: Lower: Upper:	No data available No data available No data available
Solubility(ies): [Water] [Other solvents] Very soluble: Soluble:	No data available Benzene Ether, Toluene, Ketones		

10. STABILITY AND REACTIVITY

Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products: No data available Stable under proper conditions. Decomposes in contact with water and liberates toxic gases. Moisture Oxidizing agents, Strong bases, Water, Alcohols, Amines Carbon dioxide, Carbon monoxide, Hydrogen chloride **TCI AMERICA**

11. TOXICOLOGICAL INFORMATION

RTECS Number: WZ1797000

Acute Toxicity:		11		
orl-rat LD50:2500 mg/kg skn-rbt LD:>200 mg/kg		ihl-rat LC50:700 mg/m³/4H		
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				
Carcinogenicity: No data available				
IARC: No data available	NTP:	No data available	OSHA:	No data available
Reproductive toxicity: orl-rat TDLo:4122 mg/kg (26W pre)				
Target organ(s):	No data available			
12. ECOLOGICAL INFORMATION				
Ecotoxicity:				
Fish:	No data available			
Crustacea:	No data available			
Algae:	No data available			
Persistence / degradability: Bioaccumulative potential(BCF): Mobility in soil	No data available No data available			
Log Pow:	0.88			
Soil adsorption (Koc):	No data available			
Henry's Law (PaM ³/mol):	No data available			
13. DISPOSAL CONSIDERATIONS				
Disposal of product:		if possible. It is the generator's respo		
	and burn in a chemi	ulations. You may be able to dissolve cal incinerator equipped with an after assistance but does not replace these	burner and	scrubber system. This section is
	with this section ens Identification and Lis	sure regulatory compliance according sting of Hazardous Waste are listed ir	to the law. 1 40 CFR P	US EPA guidelines for
Disposal of container: Other considerations:	Dispose of as unuse	the environment, drains, water ways, ed product. Do not re-use empty conta state and local regulations when disp	ainers.	e substance.

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14. TRANSPORT INFORMATION

<u>DOT (US)</u> UN number: UN2923	Proper Shipping Name: Corrosive solids, toxic, n.o.s	Class or Division: 8 Corrosive material	Subrisk(s): 6.1 Toxic material.	Packing Group: II
IATA UN number: UN2923	Proper Shipping Name: Corrosive solid, toxic, n.o.s	Class or Division: 8 Corrosive material	Subrisk(s): 6.1 Toxic material.	Packing Group: II
IMDG UN UN2923 numb er:	Proper Shipping Name: Corrosive solid, toxic, n.o.s	Class or Division: 8 Corrosive material	Subrisk(s): 6.1 Toxic 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.

<u>US Federal Regu</u> CERCLA Hazard		nd Reportable Quantity:		
SARA 313:		Not Listed		
SARA 302:		Not Listed		
State Regulation	<u>IS</u>			
State Right-to-K	now			
Massachuse	etts	Listed		
New Jersey		Not Listed		
Pennsylvani	a	Listed		
California Propo		Not Listed		
Other Informatio				
NFPA Rating:	<u>'11</u>		HMIS Classification	:
Health:	3		Health:	3
Flammability:	1		Flammability:	1
Instability:	0		Physical:	0
	entories			
International Inv				
International Inv Canada: DSL		On DSL		

16. OTHER INFORMATION

Revision date: 07/06/2018

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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.