

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: Acute Toxicity - Oral [Category 4] Acute Toxicity - Dermal [Category 4] WHMIS 2015: Acute Toxicity - Inhalation [Category 4] Signal word: Warning! Hazard Statement(s): Harmful if swallowed, in contact with skin or if inhaled Pictogram(s) or Symbol(s): Precautionary Statement(s): Avoid breathing dust, fume, mist, vapors or spray. Use only outdoors or in a well-ventilated area. Do [Prevention] not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wear protective gloves, protective clothing. If swallowed: Call a poison center or doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty [Response] of soap and water. Call a poison center or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. Dispose of contents and container in accordance with local, regional, national regulations (e.g. US: 40 [Disposal] CFR Part 261, EU:91/156/EEC, JP: Waste Disposal and Cleaning Act, etc.). Hazards not otherwise classified: None. [HNOC]

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Components: Percent: CAS RN: Molecular Weight: **Chemical Formula:** Synonyms:

Substance N,N'-Diisopropyl-O-(4-nitrobenzyl)isourea [for HPLC Labeling] >95.0%(HPLC) 2978-11-2 279.34 C14H21N3O3 1,3-Diisopropyl-2-(4-nitrobenzyl)isourea, O-(4-Nitrobenzyl)-N,N'-diisopropylisourea

N,N'-Diisopropyl-O-(4-nitrobenzyl)isourea [for HPLC Labeling] A5506

TCI AMERICA

SAFETY DATA SHEET

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

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

Skin and body protection:

Description of first aid measures Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwall. Skin contact: Remove Victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwall. Synchronized and the second and the second advecation of a rab cours: Get medical advecation. Inpestion Synchronized advecation of a rab cours: Get medical advecation. Inpestion Synchronized advecation. Call a POISON CENTER or doctor/physician if you feel unwell. Synchronized advecation. Call a POISON CENTER or doctor/physician if you feel unwell. Synchronized advecation. Call a POISON CENTER or doctor/physician if you feel unwell. Synchronized advecation. Call a POISON CENTER or doctor/physician if you feel unwell. Synchronized advecation. No data available Notes to physician: No data available Notes to physician: No data available Specific hazards arising from the chemical: Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Advice for firefighters: Wear self-contained breathing apparatus if possible. 6. ACCIDENTAL RELASE MEASURES Deperating productis moritage arise and propatilities and regulations. <th>4. FIRST-AID MEASURES</th> <th></th>	4. FIRST-AID MEASURES		
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Skin contact: CENTER or doctor/physician if you'real unwell. Skin contact: Remove? Take of immediately all contaminated clothing. Rines skin with water/shower. If skin irritation prises cert medical advice/attention. By contact: Rines calculosity with water doctor/physician if you'real unwell. Ingestion: Call a POISON CENTER or doctor/physician if you teal unwell. Symptoms/effects: No data available Acute: No data available Not available. No data available Stribuble extinguishing media: Dry chemical, foam, water spray, carbon dioxide. Specific hazards arising from the chemical. Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Chemical: Dry chemical, foam, water spray, carbon dioxide. These products include: Carbon oxides Nitrogen oxides. Specific hazards arising from the chemical: Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Advice for ifrefighters: Wear self-contained breathing apparatus if possible. 6. 6. ACCIDENTAL RELEASE MEASURES Prevent ing drains. Prevent ing drains. Prevent precautions, protective equipment. Keep people away from and upwind of splifleek. Entry to on-involved personal protective equipment. Keep people away from and upwind of splifleek. Ent	Description of first aid measures		
Skin contact: Remove/Take off immediately all contaminated dothing. Rinse skin with water/shower, if skin irritation or rash occurs: Get media dot/caltention. Eye contact: Remove/Take off immediately all contaminated dothing. Rinse skin with water/shower, if skin irritation or sites: Get media dot/caltention. Symptoms/effects: Acute: No data available Data available No data available No data available Notes to physician: No data available No data available Notes to physician: Diversitiant persists: Statistication or in high temperatures to generate poisonous fume. Specific hazards arising from the chemical, toam, water spray, carbon dioxide. Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Other specific hazards: Use areal subject. Use areal subject. Extreme for the specific hazards arising from the chemical. Other specific hazards: Use personal protective equipment. Keep people away from and upwind of splil/leak. Entry to non-movined personnel should be controlled around the leakage area to taperse. Actered or collected materials or ontainmer sking care not to disperse. Conditions for safe handling: Handling is performed in a well ventilated place. Wear suitable protective equipment. Keep people away from and upwind of splil/leak. Entry to non-movine/ gets area to tho spece to tho collectaro. Conditions	Inhalation:		
Eye contact: Rinse caudiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue miniqui. Fey entration presists: Get medical advectatemetion. Symptoms/effects: Acute: No data available Delayed: No data available Not available. No data available Storage: Dry chemical, form, water spray, carbon dioxide. Specific hazards arising from the chemical: Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Advice for firefighters: Wear self-contained breathing apparatus if possible. 6. ACCIDENTAL RELEASE MEASURES Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to equipment and emergency procedures: Prevent product from entering drains. Wear self-containents Swear self-contained breathing apparatus if possible. 6. ACCIDENTAL RELEASE MEASURES Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to equipment and emergency procedures: Prevent product from entering drains. Wear self-containent Sweep dual to colicie ti huo an anting to containen, taking	Skin contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation	
Ingestion: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Symptoms/effects: Acute: No data available Acute: No data available Indication of any immediate medical attention: Not available Not available. No data available Stripper Strespirator. Store underintering Stripper Store Stripper Strespirat	Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.	
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Hand protection: Protective gloves.	Personal protective equipment		
	•	Protective gloves. Safety glasses. A face-shield, if the situation requires.	

Protective clothing. Protective boots, if the situation requires.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9. PHYSICAL ANI	CHEMICAL PRO	PERTIES				
Physical state (20°C Form: Colour: Odour: Odor threshold: Odour threshold:):	Solid Crystal - Powder Slightly pale yellow - Reddish yellow No data available No data available No data available				
Melting point/freezin Boiling point/range: Decomposition tem Relative density: Kinematic viscosity Log Pow:	No da perature: No da No da : No da	(111°F) ta available ta available ta available ta available ta available	pH: Vapour pressure Vapour density: Dynamic Viscosi Evaporation rate Acetate=1):	ity:	No data available No data available. No data available No data available No data available	
Flash point: Flammability(solid,		ta available ta available	Autoignition tem Flammability or e Lower: Upper:	explosive limits:	No data available No data available No data available	
Solubility(ies): [Water] [Other solvents]		No data available No data available				
10. STABILITY AN	ID REACTIVITY					
Reactivity: No data available Chemical stability: Stable under proper conditions. Possibility of hazardous reactions: No special reactivity has been reported. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx) 11. TOXICOLOGICAL INFORMATION						
Acute Toxicity: No data available						
Skin corrosion/irrita No data available	tion:					
Serious eye damage No data available	e/irritation:					
Respiratory or skin No data available	sensitization:					
Germ cell mutageni No data available	city:					
Carcinogenicity: No data available						
IARC: No dat	a available	NTP:	No data available	OSHA:	No data available	
Reproductive toxici						

Target organ(s):

No data available

12 ECOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION					
Ecotoxicity:					
Fish:	No data available				
Crustacea:	No data available				
Algae:	No data available				
Persistence / degradability:	No data available				
Bioaccumulative potential(BCF): Mobility in soil	No data available				
Log Pow:	No data available				
Soil adsorption (Koc):	No data available				
Henry's Law (PaM 3/mol):	No data available				
13. DISPOSAL CONSIDERATIONS					
Disposal of product:	Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.				
Disposal of container:	Dispose of as unused product. Do not re-use empty containers.				
Other considerations:	Observe all federal, state and local regulations when disposing of the substance.				
14. TRANSPORT INFORMATION					
DOT (US)	Non-hazardous for transportation.				
IATA	Non-hazardous for transportation.				
IMDG	Non-hazardous for transportation.				

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15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.): This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

US Federal Regulations CERCLA Hazardous substance and Reportable Quantity: SARA 313: Not Listed SARA 302: Not Listed						
State Regulations State Right-to-Kn Massachuse New Jersey Pennsylvania California Propos	ow its	Not Listed Not Listed Not Listed Not Listed				
Other Information NFPA Rating: Health: Flammability: Instability:	1 4 0 0		HMIS Classification: Health: Flammability: Physical:			
International Inve Canada: NDSL EC-No:	entories_	On NDSL 221-027-6				

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.