

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

4-(trans-4-Butylcyclohexyl)cyclohexanone B4946

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

2. HAZARD(S) IDENTIFICATION

OSHA Haz Com: CFR 1910.1200: WHMIS 2015:	Not classifiable
Signal word:	None
Hazard Statement(s):	None
Pictogram(s) or Symbol(s):	None
Precautionary Statement(s):	None
Hazards not otherwise classified: [HNOC]	None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Components:	Substance 4-(trans-4-Butylcyclohexyl)cyclohexanone
Percent:	>98.0%(GC)
CAS RN:	92413-47-3
Molecular Weight:	236.40
Chemical Formula:	C16H28O

Ácute: No data available Delayed: No data available Idication of any immediate medical attention: No data available Iot available. No data available Iot available. Dry chemical for available Iot available Dry chemical, foam, water spray, carbon dioxide. Interspecific hazards: Dry chemical, foam, water spray, carbon dioxide. Iazardous combustion products: None Object of firefighters: Wear self-contained breathing apparatus if possible. ACCIDENTAL RELEASE MEASURES Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc. Prevent product from metring drains. Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected	4. FIRST-AID MEASURES			
Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. Skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Ingestion: Get medical advice/attention if you feel unwell. Rinse mouth. ymptoms/effects: No data available Acute: No data available balayed: No data available otata available No data available iota stavailable Dry chemical, foarn, water spray, carbon dioxide. azardous combustion products: None clasardous combustion products: None closed containers may explode from heat of a fire. dvice for firefighters: Wear self-contained breathing apparatus if possible. ACCIDENTAL RELEASE MEASURES Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc. Prevent product from entering drains. etsoad materials for containeme Sweep containers in the inting trainight containere, taking care not to disperse it. Adhered	Description of first aid measures			
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lethods and materials for containment Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected	Personal precautions, protective equipment and emergency procedures:	non-involved personnel should be controlled around the leakage area by roping off, etc.		
	Methods and materials for containment and cleaning up:	Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected		
. HANDLING AND STORAGE	7. HANDLING AND STORAGE			
recourtions for asta handling	Proputions for sofe handling	Handling is performed in a well ventilated place. Wear avitable protective equipment. Prevent		
recautions 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.	Precautions for safe handling:	dispersion of dust. Wash hands and face thoroughly after handling.		
Use a local exhaust if dust or aerosol will be generated.		Use a local exhaust if dust or aerosol will be generated.		
Avoid contact with skin, eyes and clothing. Conditions for safe storage, including any incompatibilities	Conditions for safe storage, including a			
Storage conditions: Keep container tightly closed. Store in a cool and dark place.		Keep container tightly closed. Store in a cool and dark place.		
Packaging material: Store away from incompatible materials such as oxidizing agents. Comply with laws. Comply with laws.	Packaging material:			
B. EXPOSURE CONTROLS / PERSONAL PROTECTION	8. EXPOSURE CONTROLS / PERSC	DNAL PROTECTION		
ppropriate engineering controls: Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.	Appropriate engineering controls:	system or local exhaust as possible so that workers should not be exposed directly. Also install safety		
ersonal protective equipment	Personal protective equipment			
Respiratory protection: Dust respirator. Follow local and national regulations.	Respiratory protection:			
Hand protection: Protective gloves. Eye protection: Safety glasses. A face-shield, if the situation requires.		5		
Skin and body protection: Protective clothing. Protective boots, if the situation requires.				

9. PHYSICAL AND CHEMICAL PROPERTIES

,	Solid		
Form:	Crystal - Powder		
Colour:	White - Almost white		
Odour:	No data available		
Odor threshold:	No data available		
Odour threshold:	No data available		
Melting point/freezing point:	44°C (111°F)	pH:	No data available
Boiling point/range:	No data available	Vapour pressure:	No data available.
Decomposition temperature:	No data available	Vapour density:	No data available
Relative density:	No data available	Dynamic Viscosity:	No data available
Kinematic viscosity:	No data available		
Log Pow:	No data available	Evaporation rate(Butyl Acetate=1):	No data available
Flash point:	No data available	Autoignition temperature:	No data available
Flammability(solid, gas):	No data available	Flammability or explosive limits:	
		Lower:	No data available
		Upper:	No data available
Solubility(ies):			
[Water]	No data available		
[Other solvents]			
Soluble:	Methanol		
CONDIC.	mounarior		
10. STABILITY AND REACT			

Reactivity: Chemical stability: Possibility of hazardous reactions: Incompatible materials: Hazardous decomposition products: No data available Stable under proper conditions. No special reactivity has been reported. Oxidizing agents Carbon dioxide, Carbon monoxide

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

Carcinogenicity: No data available

IARC: No data available

Reproductive toxicity: No data available

Target organ(s):

No data available

NTP:

No data available

OSHA:

No data available

TCI AMERICA

12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
Persistence / degradability: Bioaccumulative potential(BCF):	No data available No data available
Mobility in soil	
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.
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.

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.):

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

Non-hazardous for transportation.

(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.

(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

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US Federal Regulations

IMDG

CERCLA Hazardous substance and Reportable Quantity:				
SARA 313:		Not Listed		
SARA 302:		Not Listed		
State Degulation	_			
State Regulations				
State Right-to-Kn				
Massachuset	ts	Not Listed		
New Jersey		Not Listed		
Pennsylvania	3	Not Listed		
California Propos	sition 65:	Not Listed		
Other Information				
	<u>1</u>			
NFPA Rating:			HMIS Classification:	
Health:	0		Health:	
Flammability:	0		Flammability:	
Instability:	0		Physical:	
-			-	

International Inventories

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.