

Revision number: 2 Revision date: 10/06/2014

IDENTIFICATION 1.

Product name: Product code:

Diisobutyl Fumarate D3915

For laboratory research purposes.

Not for drug or household use.

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: Not classifiable Signal word: None None Hazard Statement(s): Pictogram(s) or Symbol(s): None Precautionary Statement(s): [Prevention] None

[Response] None None [Storage] [Disposal] None

Hazards not otherwise classified: [HNOC] Causes mild skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- Substance/Mixture: Components: Percent: CAS Number: Molecular Weight: **Chemical Formula:** Synonyms:
- Substance **Diisobutyl Fumarate** >98.0%(GC) 7283-69-4 228.29 C12H20O4 Fumaric Acid Diisobutyl Ester

4. FIRST-AID MEASURES

If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. Inhalation: If a person feels unwell or symptoms of skin irritation appear, consult a physician. Skin contact: Eye contact: No information available. Ingestion: Not applicable.

Symptoms/effects:

Page 1 of 5

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:**

Environmental Health Safety and Security +1-503-286-7624

TCI AMERICA

SAFETY DATA SHEET

TCI America

Diisobutyl Fumarate		Page 2 of 5
4. FIRST-AID MEASURES		
Acute:	No data available	
Delayed:	No data available	
Delayea.		
Immediate medical attention:	No information available.	
5. FIRE-FIGHTING MEASURES		
Suitable extinguishing media:	Not available	
Specific hazards arising from the chemic		
Hazardous combustion products:	These products include: Carbon oxides	
Other specific hazards:	Closed containers may explode from heat of a fire.	
•		
Special precautions for fire-fighters: Not available Special protective equipment for fire-figh Not available	nters:	
6. ACCIDENTAL RELEASE MEASUR	120	
Personal precautions: Personal protective equipment: Emergency procedures:	Not available Safety glasses. Not available.	
Methods and materials for containment a Not available Environmental precautions: Not available.	and cleaning up:	
7. HANDLING AND STORAGE		
Precautions for safe handling:	Not available	
Conditions for safe storage:	Keep container tightly closed in a dry and well-ventilated place.	
Storage incompatibilities:	Store away from oxidizing agents	
8. EXPOSURE CONTROLS / PERSO	NAL PROTECTION	
Exposure limits:	No data available	
• • <i>,</i> • •		
Appropriate engineering controls: Not available.		
Personal protective equipment		
Respiratory protection:	Not Available.	
Hand protection:	Not Available.	
Eye protection:	Not Available.	
Skin and body protection:	Lab coat.	
· •		
9. PHYSICAL AND CHEMICAL PROI	PERTIES	
Physical state (20°C):	Liquid	
Form:	Clear	
Color:	Colorless - Almost colorless	
Odor:	No data available	
Odor threshold:	No data available	
· · · · · · · · · · · · · · · · · · ·		

Diisobutyl Fumarate

TCI AMERICA

elting point/freezing point: oiling point/range: ecomposition temperature: elative density: inematic Viscosity: artition coefficient:	8°C (46°F) 122°C (252°F)/0.7kPa No data available	pH: Vapor pressure: Vapor density	No data available No data available
ecomposition temperature: elative density: inematic Viscosity:	No data available		
elative density: inematic Viscosity:			
inematic Viscosity:		Vapor density:	No data available
-	0.98 No data available	Dynamic Viscosity:	No data available
-octanol/water (log Pow)	No data available	Evaporation rate: (Butyl Acetate = 1)	No data available
lash point: Iammability (solid, gas):	No data available No data available	Autoignition temperat Flammability or explo Lower:	
		Upper:	No data available
olubility(ies):			
0. STABILITY AND REACTIV	ITY		
eactivity: hemical Stability: ossibility of Hazardous Reaction onditions to avoid: compatible materials: azardous Decomposition Produc	No hazardous reac Avoid excessive he Oxidizing agents	nmended storage conditions. (See tivity has been reported. eat and light.	Section 7)
1. TOXICOLOGICAL INFORM	IATION		
TECS Number: LT1565000 cute Toxicity: 1-rat LD50:8120 uL/kg		skn-rbt LD50:7490 uL/k	g
kin corrosion/irritation: kn-rbt 10 mg/24H open MLD			
erious eye damage/irritation: o data available			
espiratory or skin sensitization: o data available			
erm cell mutagenicity: o data available			
arcinogenicity:			
o data available			
IARC: No data available	NTP:	No data available	OSHA: No data available
eproductive toxicity: o data available			
outes of Exposure: ymptoms related to exposure: kin contact may result in redness, p otential Health Effects: kin and eye contact may result in ir	pain or dry skin.	tact, Ingestion, Skin contact.	
arget organ(s):	No data available		

Ecotoxicity Fish: Crustacea:

No data available No data available Henry's Law: constant (PaM³/mol)

TCI AMERICA

12. ECOLOGICAL INFORMATION Algae: No data available Persistence and degradability: No data available Bioaccumulative potential (BCF): No data available Mobility in soil: No data available Partition coefficient: No data available n-octanol/water (log Pow) Soil adsorption (Koc):

No data available

13. DISPOSAL CONSIDERATIO	DNS
Disposal of product:	Recycle to process if possible.
Disposal of container:	Dispose of as unused product.
Other considerations:	Observe all federal, state and local regulations when disposing of the substance.
14. TRANSPORT INFORMATIO	N

DOT (US)	Non-hazardous for transportation.
IATA	Non-hazardous for transportation.
IMDG	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:

(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.

US Federal Regulations

SARA 302:

CERCLA Hazardous substance and Reportable Quantity: SARA 313: Not Listed

NOT LISTED
Not Listed

No data available. 230-706-6

State Regulations

State Right-to-Know

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Proposition 65:	Not Listed

Other Information

NFPA Rating:

Health:2Flammability:0Instability:0

International Inventories

WHMIS hazard class:	
EC-No:	

16. OTHER INFORMATION

Revision date: 10/06/2014 Revision number: 2

HMIS Classification:

Health:	2
Flammability:	0
Physical:	0

16. OTHER INFORMATION

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 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.