

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

1. IDENTIFICATION

Product name: Product code: 3,4-Methylenedioxynitrobenzene M0848

For laboratory research purposes.

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] Acute Toxicity - Inhalation [Category 4]

Signal word:

Warning!

Hazard Statement(s):

Harmful if swallowed Harmful in contact with skin Harmful if inhaled

Pictogram(s) or Symbol(s):



Precautionary Statement(s): [Prevention]

[Response]

[Storage] [Disposal] Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wear protective gloves and protective clothing. Avoid breathing dusts or mists. Use only outdoors or in a well-ventilated area. If swallowed: Immediately call a poison center or doctor. Rinse mouth. If on skin: Wash with plenty of 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. None

Dispose of contents and container in accordance with US EPA guidelines for the classification and determination of hazardous waste listed in 40 CFR 261.3. (See Section 13)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Components: Percent: Substance 3,4-Methylenedioxynitrobenzene >98.0%(GC)

Not for drug or household use.

TCI AMERICA

SAFETY DATA SHEET

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

Emergency telephone number: Chemical Emergencies: TCI America (8:00am - 5:00pm) F TCI AMERICA

3,4-Methylenedioxynitrobenzene	TCI AMERICA	Page 2 of 5
3. COMPOSITION/INFORMATION	ON INGREDIENTS	
CAS Number:	2620-44-2	
Molecular Weight:	167.12	
Chemical Formula:	C7H5NO4	
Synonyms:	5-Nitro-1,3-benzodioxole	
4. FIRST-AID MEASURES		
Inhalation:	Call a poison center or doctor if you feel unwell. Move victim to fresh air. is not breathing. Administer oxygen if breathing is difficult. Keep victim wa symptomatically and supportively. Ensure that medical personnel are awa take precautions to protect themselves.	arm and quiet. Treat
Skin contact:	Call a poison center or doctor if you feel unwell. Remove and isolate cont case of contact with substance, immediately flush skin with running water symptomatically and supportively. Ensure that medical personnel are awa take precautions to protect themselves.	r for at least 20 minutes. Treat
Eye contact:	If this chemical contacts the eyes, immediately wash (irrigate) the eyes w occasionally lifting the lower and upper eyelids. If eye irritation persists ge victim to fresh air. Check for and remove any contact lenses. Keep victim symptomatically and supportively. Effects of exposure to substance may personnel are aware of the material(s) involved and take precautions to p	et medical advice/attention. Move warm and quiet. Treat be delayed. Ensure that medical
Ingestion:	Harmful if swallowed. Call a physician or Poison Control Center immedia method if victim ingested the substance; give artificial respiration with the with a one-way valve or other proper respiratory medical device. Loosen belt or waistband. If a person vomits place them in the recovery position a mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symp Ensure that medical personnel are aware of the material(s) involved and themselves.	tely. Do not use mouth-to-mouth a aid of a pocket mask equipped tight clothing such as a collar, tie, so that vomit will not reenter the tomatically and supportively.
Symptoms/effects:		
Acute: Delayed:	No data available No data available	
Immediate medical attention:	WARNING: It might be hazardous to the person providing aid to give more the inhaled material is harmful. If breathing has stopped, perform artificia treatment according to the nature of the injury. Ensure that medical perso involved and take precautions to protect themselves.	I respiration. Use first aid
5. FIRE-FIGHTING MEASURES		
Suitable extinguishing media:	Dry chemical, CO_2 , sand, earth, water spray or regular foam Consult with attempting large scale fire fighting operations.	n local fire authorities before
Specific hazards arising from the che Hazardous combustion products:	mical These products include: Carbon oxides Nitrogen oxides	
Other specific hazards:	Closed containers may explode from heat of a fire.	
Special precautions for fire-fighters: Use water spray or fog; do not use straig heated. Move containers from fire area i Special protective equipment for fire-		I. Containers may explode when
Wear positive pressure self-contained bi	eathing apparatus (SCBA). Structural fire fighters' protective clothing provides ations. Wear chemical protective clothing which is specifically recommended b	
6. ACCIDENTAL RELEASE MEAS	URES	
Personal precautions:	Avoid contact with skin, eyes, and clothing. Keep people away from and	upwind of spill/leak. Do not touch
· · · · · · · · · · · · · · · · · · ·		

Personal precautions:	Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation.
	Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Personal protective equipment:	Safety glasses. Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).
Emergency procedures:	Prevent dust cloud. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and excercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up:

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material. **Environmental precautions:**

Keep away from living quarters. Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

Precautions for safe handling:	Avoid inhalation of vapor or mist. Do not ingest. Avoid contact with skin and eyes. Avoid contact with skin. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and
	open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.
Conditions for safe storage:	Keep only in the original container in a cool well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods.
Storage incompatibilities:	Store away from oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: No data available

Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal protective equipment	
Respiratory protection:	Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Hand protection:	Nitrile gloves.
Eye protection:	Safety glasses.
Skin and body protection:	Lab coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form: Color: Odor: Odor threshold:	Solid Crystal - Powder Pale yellow - Yellow No data available No data available		
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic Viscosity:	148°C (298°F) No data available No data available No data available No data available	pH: Vapor pressure: Vapor density: Dynamic Viscosity:	No data available No data available No data available No data available
Partition coefficient: n-octanol/water (log Pow)	No data available	Evaporation rate: (Butyl Acetate = 1)	No data available
Flash point: Flammability (solid, gas):	143°C (289°F) No data available	Autoignition temperature: Flammability or explosive limits: Lower: No data ava Upper: No data ava	

Solubility(ies):

10. STABILITY AND REACTIVITY

Reactivity: Chemical Stability: Possibility of Hazardous Reactions: Conditions to avoid: Incompatible materials: Hazardous Decomposition Products: Not Available. Stable under recommended storage conditions. (See Section 7) No hazardous reactivity has been reported. Avoid excessive heat and light. Strong bases, Strong oxidizing agents No data available

TCI AMERICA

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	NTP:	No data available	OSHA:	No data available
Reproductive toxicity: No data available				
Routes of Exposure: Symptoms related to exposure: Overexposure may result in serious illnes Potential Health Effects: No specific information available; skin and Target organ(s):	s or death.	ntact, Ingestion, Skin contact. Ilt in irriatation. May be harmfu	ul if inhaled or ingeste	d.
12. ECOLOGICAL INFORMATION				
Ecotoxicity				
Fish:	No data available			
Crustacea:	No data available			
Algae:	No data available			
Persistence and degradability:	No data available			
Bioaccumulative potential (BCF):	No data available			
Mobillity in soil: Partition coefficient:	No data available No data available			
n-octanol/water (log Pow)				
Soil adsorption (Koc):	No data available			
Henry's Law: constant (PaM³/mol)	No data available			
13. DISPOSAL CONSIDERATIONS				
Disposal of product:	rules and regulation chemical incinerat assistance but door regulatory complia	ons. You may be able to dissol for equipped with an afterburned es not replace these laws, nor ance according to the law. US of 40 CFR Parts 261. The product	ve or mix material wit er and scrubber syste does compliance in a EPA guidelines for Ide	mply with Federal, State and Local h a combustible solvent and burn in a m. This section is intended to provide iccordance with this section ensure entification and Listing of Hazardous wed to enter the environment, drains,
Disposal of container: Other considerations:	Dispose of as unu	sed product. Do not re-use em al, state and local regulations w		substance.
14. TRANSPORT INFORMATION				

Non-hazardous for transportation.

ΙΑΤΑ

Non-hazardous for transportation.

TCI AMERICA

14. TRANSPORT INFORMATION

IMDG

Non-hazardous for transportation.

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-Know

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

Other Information

NFPA Rating:		HMIS Classification:	
Health:	2	Health:	2
Flammability:	1	Flammability:	1
Instability:	0	Physical:	0

220-055-6

International Inventories

WHMIS hazard class: EC-No:

16. OTHER INFORMATION

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

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.

D2A: Materials causing other toxic effects. (Very Toxic)