

# SAFETY DATA SHEET

Revision Date 01-Apr-2024

**Revision Number** 3

### 1. Identification

### **Product Name**

# 2,2-Dimethyl-6-nitro-2H-1,4-benzoxazin-3(4H)-one

### Cat No.: H61097

CAS No Synonyms

Recommended Use Uses advised against No information available Laboratory chemicals.

85160-84-5

Food, drug, pesticide or biocidal product use.

#### Details of the supplier of the safety data sheet

#### <u>Company</u>

Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757

#### **Emergency Telephone Number**

For information **US** call: 001-800-227-6701 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe:** +32 14 57 52 99 **CHEMTREC** Tel. No. **US**:001-800-424-9300 / **Europe:**001-703-527-3887

### 2. Hazard(s) identification

#### **Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation Specific target organ toxicity (single exposure) Target Organs - Respiratory system. Category 2 Category 2 Category 3

#### Label Elements

Signal Word Warning

Hazard Statements Causes skin irritation Causes serious eye irritation

Weight %

May cause respiratory irritation



#### **Precautionary Statements** Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

#### Inhalation

IF INHALED: 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 unwell

#### Skin

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

#### Eves

IF IN EYES: 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

#### Storage

Store in a well-ventilated place. Keep container tightly closed

### Store locked up

### Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Component

None identified

### 3. Composition/Information on Ingredients

CAS No

Component			itolgine /o			
2,2-Dimethyl-6-nitro-2H-1,4-benzox	azin-3(4H)-one	85160-84-5	<=100			
	4					
	4.	First-aid measures				
General Advice	If symptoms persist, call a physician.					
Eye Contact	Rinse immed medical atten		he eyelids, for at least 15 minutes. Get			
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.					
Inhalation	Remove to fre symptoms oc	esh air. If not breathing, give artificial re cur.	espiration. Get medical attention if			
Ingestion	Clean mouth symptoms oc	with water and drink afterwards plenty cur.	of water. Get medical attention if			
Most important symptoms and effects	None reason	ably foreseeable.				

#### Notes to Physician

Treat symptomatically

### 5. Fire-fighting measures

Unsuitable Extinguishing Media	No information available
Flash Point Method -	No information available No information available
Autoignition Temperature Explosion Limits	No information available
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

#### Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

#### Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NOx).

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<u>NFPA</u>	Health 2	Flammability 1	Instability 0	Physical hazards					
		6. Accidental re	lease measures						
Personal P	Precautions	Ensure adequate ventilatio formation.	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation						
Environme	ental Precautions		o the environment. See Sectio	n 12 for additional Ecological					
Methods fo Up	or Containment and	Clean Sweep up and shovel into containers for disposal.	suitable containers for disposa	al. Keep in suitable, closed					
	7. Handling and storage								
Handling				sure adequate ventilation. Do not nhalation. Avoid dust formation.					
Storage.			Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Acids. Strong bases.						
	8	. Exposure controls	/ personal protecti	on					
Exposure	Guidelines_		ain any hazardous materials v jion specific regulatory bodies						
Engineerin	ng Measures	Ensure that eyewash static	ons and safety showers are clo	ose to the workstation location.					
Personal P	Protective Equipmen	<u>t</u>							
Eye/fac	ce Protection		e eyeglasses or chemical safe ection regulations in 29 CFR 1	ety goggles as described by 910.133 or European Standard					

	EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Recommended Filter type:	Particle filter. Particulates filter conforming to EN 143.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

Physical State	Solid
Appearance	Pale brown - Brown
Odor	No information available
Odor Threshold	No information available
рН	No information available
Melting Point/Range	No data available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C10 H10 N2 O4
Molecular Weight	222.20

### 10. Stability and reactivity

Reactive Hazard	None known, based on information available			
Stability	Stable under normal conditions.			
Conditions to Avoid	Incompatible products.			
Incompatible Materials	Acids, Strong bases			
Hazardous Decomposition Product	<b>s</b> Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NOx)			
Hazardous Polymerization	Hazardous polymerization does not occur.			
Hazardous Reactions	None under normal processing.			

# 11. Toxicological information

### Acute Toxicity

Product Information Component Information Toxicologically Synergistic

No information available

rritation		No informati	No information available							
Sensitization		No information available								
Carcinogenicity		The table below indicates whether each agency has listed any ingredient as a carcinogen								
Component	CAS No	IARC		NTP		ACGIH	OSHA	Mexico		
2,2-Dimethyl-6-nitro-2 H-1,4-benzoxazin-3(4 H)-one	85160-84-5	Not liste	d	Not listed	d	Not listed	Not listed	Not listed		
Nutagenic Effects		No informati	on avai	lable			·			
Reproductive Effects	S	No informati	on avai	lable.						
Developmental Effect	cts	No informati	on avai	lable.						
Teratogenicity		No informati	on avai	lable.						
STOT - single expos STOT - repeated exp		Respiratory None known								
Aspiration hazard		No informati	on avai	lable						
Symptoms / effects, delayed	both acute and	No informati	on avai	lable						
Endocrine Disruptor	Information	No informati	on avai	lable						
Other Adverse Effec	ts	The toxicolo	gical pr	operties hav	ve not b	een fully investi	gated.			
		12. E	Ecolo	gical ir	nform	nation				
<u>Ecotoxicity</u> Do not empty into dra	ins.									
Persistence and Deg	gradability	No informati	on avai	lable						
Bioaccumulation/ Ac	ccumulation	No informati	on avai	lable.						
Mobility		No informati	on avai	lable.						
		13. D	ispos	sal con	sider	ations				
Waste Disposal Metl	hods	Dds Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.								
				sport in	form	ation				
DOT TDC		Not regulated								
TDG ATA		Not regulated Not regulated								
MDG/IMO		Not regulate								
		, The second sec		atory in	nform	nation				
United States of Ame	erica Inventory									
		AS No		ISCA		CA Inventory not		A - EPA Regulator		

			Active-Inactive	Flags
2,2-Dimethyl-6-nitro-2H-1,4-benzo	85160-84-5	-	-	-
xazin-3(4H)-one				

Legend:

**TSCA** US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed

'-' - Not Listed

# TSCA - Per 40 CFR 751, Regulation of Certain Chemical Not applicable Substances & Mixtures, Under TSCA Section 6(h) (PBT)

TSCA 12(b) - Notices of Export

Not applicable

#### International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
2,2-Dimethyl-6-nitro-2H-1,4-benzo	85160-84-5	-	-	-	-	-		-	-	-
xazin-3(4H)-one										

**KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

#### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
<b>OSHA</b> - Occupational Safety and Health Administration	Not applicable

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations	Not applicable
U.S. Department of Transportation Reportable Quantity (RQ):	N

Reputable Quantity (RQ).	IN
DOT Marine Pollutant	Ν
DOT Severe Marine Pollutant	Ν

#### U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

#### Other International Regulations

Mexico - Grade

No information available

#### Authorisation/Restrictions according to EU REACH Not applicable

Component	CAS No	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	U U	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
2,2-Dimethyl-6-nitro-2H-1,4-benzox azin-3(4H)-one	85160-84-5	-	-	-

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
2,2-Dimethyl-6-nitro-2H-1,4-b enzoxazin-3(4H)-one	85160-84-5	Not applicable	Not applicable	Not applicable	Not applicable

#### Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

#### **Other International Regulations**

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Convention (PIC)	Basel Convention (Hazardous Waste)
2,2-Dimethyl-6-nitro-2H-1,4-b enzoxazin-3(4H)-one	85160-84-5	Not applicable	Not applicable	Not applicable	Not applicable

	16. Other information	
Prepared By	Health, Safety and Environmental Department Email: chem.techinfo@thermofisher.com www.thermofisher.com	
Revision Date Print Date Revision Summary	01-Apr-2024 01-Apr-2024 New emergency telephone response service provider.	

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# End of SDS