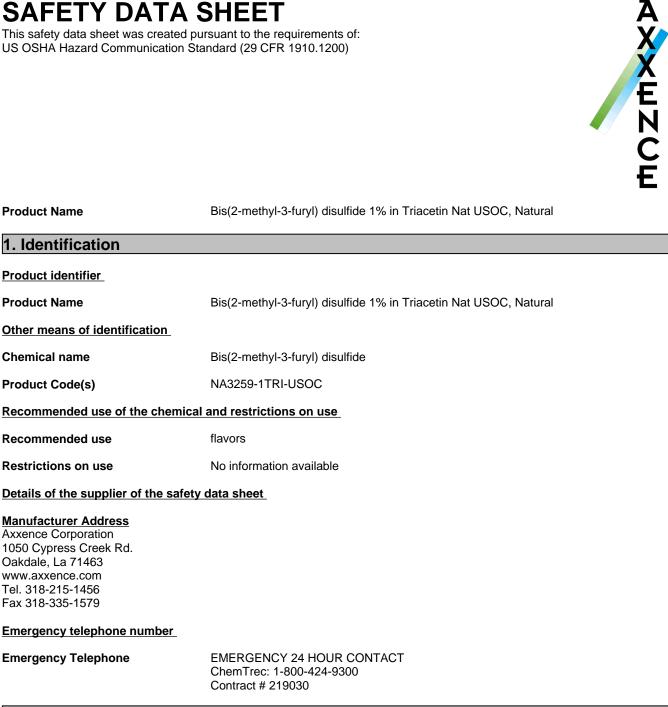
SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200)



2. Hazard(s) identification

Classification

Classification according to Regulation 29 CFR 1910.1200

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified (HNOC)

Not applicable.

Label elements

Hazard statements

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Other information

3. Composition/informa	tion on ingredie	nts			
Product Name	Bis(2-methyl-3-furyl) disulfide 1% in Triacetin Nat USOC, Natural				
Substance_					
Not applicable.					
<u>Mixture</u>					
Formula	C10 H10 O2 S2				
Molecular weight	226.317 g/mol				
Chemical name	CAS No.	EC No (EU Index No)	Weight-%	Trade secret	
Triacetin, Natural	102-76-1	203-051-9	99	-	
4. First-aid measures					
Description of first aid measure	<u>es</u>				
Inhalation	Remove to fresh	air.			
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.				
Skin contact	Consult a physician. Wash skin with soap and water.				

Skin contact Ingestion

Most important symptoms and effects, both acute and delayed

Symptoms

No information available.

Indication of any immediate medical attention and special treatment needed

Rinse mouth.

Treat symptomatically. Note to physicians

5. Fire-fighting measures	
Flash point	> 110 °C / 230 °F
Flammability Limit in Air	
Upper flammability or explosive	No data available
limits	
Lower flammability or explosive	No data available
limits	
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the	No information available.

chemical Explosion data	
Sensitivity to mechanical impac Sensitivity to static discharge	None.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
Special attention to fire and explosion	None
6. Accidental release meas	sures
	uipment and emergency procedures
Personal precautions	Ensure adequate ventilation.
Methods and material for containm	ent and cleaning up
Methods for containment Methods for cleaning up Prevention of secondary hazards	Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Clean contaminated objects and areas thoroughly observing environmental regulations.
7. Handling and storage	
Precautions for safe handling	
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, includ	ng any incompatibilities
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place.
8. Exposure controls/perse	
working area parameters, subject t	o mandatory control (MAC or TSEL)
Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Appropriate engineering controls	
Engineering controls	Showers Eyewash stations Ventilation systems
Individual protection measures, suc	ch as personal protective equipment
Eye/face protection	Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
Hand protection	Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
Skin and body protection	Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
Respiratory protection	Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
9. Physical and chemical p	

Information on basic physical and chemical properties

Physical state Liquid

Appearance	Clear	
Color	Colorless to yellow	
Odor	seared beef, onion, sauerkraut	
Odor threshold	No information available	
Property_	Values	Remarks • Method
рН	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point	260 °C / 500 °F	None known
Flash point	> 110 °C / 230 °F	CC (closed cup)
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive		
Lower flammability or explosive	limits No data available	
Vapor pressure	No data available	None known
Relative vapor density	>1.0	None known
Relative density	1.1557 - 1.1657	None known
Water solubility		None known
Solubility(ies)	Triacetin	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Refractive Index	1.4297 - 1.4357	
Other information		
Explosive properties	No information available	
Oxidizing properties	No information available	
Softening point	No information available	
Molecular weight	226.317 g/mol	
VOC content	No information available	
Liquid Density	No information available	
Bulk density	No information available	

10. Stability and reactivity

ReactivityNo information available.Chemical stabilityStable under normal conditions.Possibility of hazardous reactionsNone under normal processing.Conditions to avoidNone known based on information supplied.Incompatible materialsNone known based on information supplied.Hazardous decomposition productsNone known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	May be harmful in contact with skin.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

No information available.

Acute toxicity

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	3,030.30 mg/kg
ATEmix (dermal)	2,020.20 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-dust/mist)	1,738.40 mg/l
ATEmix (inhalation-vapor)	99,999.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Triacetin, Natural 102-76-1	= 3 g/kg (Rat)	> 2000 mg/kg (Rabbit)	> 1721 mg/L (Rat)4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Serious eye damage/eye irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard Other adverse effects Interactive effects

No information available. No information available.

12. Ecological information Harmful to aquatic life with long lasting effects. Ecotoxicity Algae/aquatic plants Chemical name Fish Toxicity to Crustacea microorganisms Triacetin, Natural LC50: >100mg/L (96h, EC50: =380mg/L (48h, 102-76-1 Oryzias latipes) Daphnia magna) Persistence and degradability No information available. **Bioaccumulation**

PBT and vPvB assessment No information available.

Chemical name		PBT and vPvB assessment	
	Triacetin, Natural		Not PBT/vPvB
Component Information			
Chemical name			Partition coefficient
Triacetin, Natural			0.25
102-76-1			
Mobility in soil Other adverse effects	No information available. No information available.		

13. Disposal considerations

	Disposal	methods
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Waste from residues/unused	Dispose of in accordance with local regulations. Dispose of waste in accordance with
products	environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14. Transport information

DOT	Not regulated
	Not regulated

IMDG

Not regulated

15. Regulatory information		
International Inventories		
TSCA	Listed	
DSL/NDSL	Listed	
EINECS/ELINCS	Listed	
ENCS	Not Listed	
IECSC KECL	Listed Not Listed	
PICCS	Listed	
AIIC	Listed	
NZIOC	Listed	
Taiwan	Listed	
DSL/NDSL - Canadian Domestic S EINECS/ELINCS - European Inve ENCS - Japan Existing and New C IECSC - China Inventory of Existin KECL - Korean Existing and Evalu	ng Chemical Substances Jated Chemical Substances Chemicals and Chemical Substances strial Chemicals f Chemicals	
US 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)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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.

US State Regulations

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

 OSHA Regulatory Status
 This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

 16. Other information

NFPA HMIS	Health hazards Health hazards	-	Flammability Flammability		Instability 0 Physical hazards	0	Special hazards - Personal protection X
Key or legend to abbreviations and acronyms used in the safety data sheet							
Legend Section	8: Exposure controls/p	personal	protection				
TWA	TWA (time-weighted av	/erage)		STEL	STEL (Shor	t Tern	n Exposure Limit)
Ceiling	Maximum limit value	0 /	S	Sk*	Skin design		, ,
Key literature references and sources for data used to compile the SDS Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) Environmental Protection Agency Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) National Institute of Technology and Evaluation (NITE) Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) U.S. National Toxicology Program (NTP) New Zealand's Chemical Classification and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development Screening Information Data Set World Health Organization							
Revision Number	1						
Revision date	23-	Feb-2028	5				
Revision Note	No	informati	on available.				
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							

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 Safety Data Sheet