

SAFETY DATA SHEET

Revision Date 28-Dec-2021

Revision Number 4

1. Identification

Product Name

5-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzo[b]furan, 97%

Cat No. :

AC452630000; AC452630010; AC452630100 519054-55-8

CAS No Synonyms

No information available

Recommended Use Uses advised against

Laboratory chemicals. Food, drug, pesticide or biocidal product use.

Details of the supplier of the safety data sheet

<u>Company</u>

Fisher Scientific Company One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100 Acros Organics One Reagent Lane Fair Lawn, NJ 07410

Emergency Telephone Number

For information **US** call: 001-800-ACROS-01 / **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 May cause respiratory irritation Causes skin irritation Causes serious eye irritation



Precautionary Statements Prevention

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

Use only outdoors or in a well-ventilated area

Wash face, hands and any exposed skin thoroughly after handling

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

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

Eyes

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)

None identified

3. Composition/Information on Ingredients

Component	CAS No	Weight %
5-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)-1-b	519054-55-8	>95
enzofuran		

4. First-aid measures				
General Advice	If symptoms persist, call a physician.			
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.			
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.			
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.			
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.			

Most important symptoms and effects	None reasonably foreseeable).					
Notes to Physician	Treat symptomatically						
	5. Fire-fighting	measures					
Suitable Extinguishing Media	Water spray. Carbon dioxide	(CO 2). Dry chemical. Chem	ical foam.				
Insuitable 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 Sensitivity to Mechanical Impact	No data available						
Sensitivity to Static Discharge	No information available						
Specific Hazards Arising from the C Keep product and empty container awa		nition.					
Protective Equipment and Precautio As in any fire, wear self-contained brea protective gear.	ns for Firefighters	nand, MSHA/NIOSH (appro	ved or equivalent) and full				
Protective Equipment and Precautio As in any fire, wear self-contained brea protective gear.	ns for Firefighters	nand, MSHA/NIOSH (approv Instability 0	ved or equivalent) and full Physical hazards N/A				
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and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	No protective equipment is needed under normal use conditions.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

	9. Physical and chemical properties
Physical State	Crystalline Solid
Appearance	Off-white - Yellow
Odor	No information available
Odor Threshold	No information available
рН	No information available
Melting Point/Range	69 - 72 °C / 156.2 - 161.6 °F
Boiling Point/Range	90 - 120 °C / 194 - 248 °F @ 0.5 mmHg
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/wa	
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C14 H17 B O3
Molecular Weight	244.0963

10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products. Excess heat. Avoid dust formation.
Incompatible Materials	Strong oxidizing agents, Strong acids, Strong bases
Hazardous Decomposition Produc	ts Carbon monoxide (CO), Carbon dioxide (CO2), Oxides of boron
Hazardous Polymerization	No information available.
Hazardous Reactions	None under normal processing.
	11. Toxicological information

Acute Toxicity

Product Information	No acute toxicity information is available for this product
Component Information Toxicologically Synergistic Products	No information available
	vell as chronic effects from short and long-term exposure
Irritation	No information available

Sensitization No information available

Carcinogenicity

IMDG/IMO

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico			
5-(4,4,5,5-Tetramethyl- 1,3,2-dioxaborolan-2-yl)-1-benzofuran	519054-55-8	Not listed	Not listed	Not listed	Not listed	Not listed			
Mutagenic Effects		No information available							
Reproductive Effect	ts	No information ava	ailable.						
Developmental Effe	cts	No information available.							
Teratogenicity		No information ava	ailable.						
STOT - single exposision STOT - repeated exposite structure of the structu		Respiratory syster None known	n						
Aspiration hazard		No information ava	ailable						
Symptoms / effects delayed	,both acute and	No information ava	ailable						
Endocrine Disrupto	r Information	No information ava	ailable						
Other Adverse Effe	cts	The toxicological p	properties have no	been fully investig	jated.				
		12. Ecol	ogical infor	mation					
Ecotoxicity Do not empty into dra	ains.								
Persistence and De	gradability	No information ava	ailable						
Bioaccumulation/ A	ccumulation	No information ava	ailable.						
Mobility		No information available.							
		13. Dispo	sal conside	erations					
Waste Disposal Me	hods	hazardous waste.	Chemical waste g	ermine whether a lenerators must als s to ensure comple	o consult local, reg	gional, and			
			nsport infor	mation					
DOT		Not regulated							
_ <u>TDG</u> IATA		Not regulated Not regulated							

United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
5-(4,4,5,5-Tetramethyl-1,3,2-dioxa borolan-2-yl)-1-benzofuran	519054-55-8	-	-	-

Legend:

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

X - Listed '-' - Not Listed

Not applicable

International Inventories

TSCA 12(b) - Notices of Export

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
5-(4,4,5,5-Tetramethyl-1,3,2-dioxa	519054-55-8	-	-	-	-	-		-	-	-
borolan-2-yl)-1-benzofuran										

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

U.S. Federal Regulations

SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable
CERCLA	Not applicable
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): DOT Marine Pollutant DOT Severe Marine Pollutant	N N N
U.S. Department of Homeland Security	This product does not contain any DHS chemicals.
Other International Regulations	
Mexico - Grade	No information available
Authorisation/Restrictions accordin	ng to EU REACH

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)
5-(4,4,5,5-Tetramethyl-1,3,2-d ioxaborolan-2-yl)-1-benzofura n	519054-55-8	Not applicable	Not applicable	Not applicable	Not applicable

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	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
5-(4,4,5,5-Tetramethyl-1,3,2-d ioxaborolan-2-yl)-1-benzofura n		Not applicable	Not applicable	Not applicable	Not applicable

16. Other information Prepared By Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com Revision Date 28-Dec-2021 Print Date 28-Dec-2021 Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally

replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

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