

# SAFETY DATA SHEET

Revision Date 30-Mar-2024

**Revision Number** 3

## 1. Identification

### **Product Name**

## (1R)-endo-(+)-Fenchyl alcohol

## Cat No. : L03211

CAS No Synonyms

Recommended Use Uses advised against No information available Laboratory chemicals. Food, drug, pesticide or biocidal product use.

2217-02-9

### 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

Category 2 Category 2

### Label Elements

Signal Word Warning

Hazard Statements Causes skin irritation Causes serious eye irritation



#### **Precautionary Statements** Prevention

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection

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

## Hazards not otherwise classified (HNOC)

None identified

# 3. Composition/Information on Ingredients

Component		CAS No	Weight %
(1R)-endo-(+)-Fenchol		2217-02-9	<=100
	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 reason	ably foreseeable.	
Notes to Physician	Treat sympto	omatically	
	5. Fi	re-fighting measures	

Suitable Extinguishing Media	Water mist may be used to cool closed containers.
Unsuitable Extinguishing Media	No information available
Flash Point	73 °C / 163.4 °F
Method -	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**

Combustible material. Containers may explode when heated.

### **Hazardous Combustion Products**

None known.

### **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	<b>Instability</b> 0	Physical hazards
		6. Accidental release	measures	
	Precautions ental Precautions	Ensure adequate ventilation. Use p formation. Remove all sources of ig discharges. Should not be released into the env Information.	nition. Take precaution	ary measures against static
Methods f Up	for Containment and Clea	n Sweep up and shovel into suitable containers for disposal. Remove al		Keep in suitable, closed
		7. Handling and s	torage	
Handling		Wear personal protective equipmen ingestion and inhalation. Avoid dus Keep away from open flames, hot	t formation. Do not get i	n eyes, on skin, or on clothing.
Storage.		Protect from moisture. Keep contai place. Keep away from heat, spark		Iry, cool and well-ventilated
	8. E	xposure controls / pers	sonal protectio	n
<u>Exposure</u>	<u>Guidelines</u>	This product does not contain any limitsestablished by the region spe		n occupational exposure
Engineeri	ng Measures	None under normal use conditions. areas. Ensure that eyewash statior location.		
Personal	Protective Equipment			
Eye/fa	ce Protection	Wear appropriate protective eyegla OSHA's eye and face protection re EN166.		
Skin a	nd body protection	Wear appropriate protective gloves	and clothing to prevent	skin exposure.
Respi	ratory Protection	No protective equipment is needed	under normal use cond	itions.

Recommended Filter type:

Particle filter.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9.	Physical	and	chemical	properties	
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Physical State	Solid
Appearance	White
Odor	Camphor-like
Odor Threshold	No information available
рН	No information available
Melting Point/Range	39 - 43 °C / 102.2 - 109.4 °F
Boiling Point/Range	201 - 202 °C / 393.8 - 395.6 °F
Flash Point	73 °C / 163.4 °F
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 H18 O
Molecular Weight	154.25

# 10. Stability and reactivity

Reactive Hazard	None known, based on information available	
Stability	Moisture sensitive.	
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition.	
Incompatible Materials	Strong oxidizing agents	
Hazardous Decomposition Products None under normal use conditions		
Hazardous Polymerization	Hazardous polymerization does not occur.	
Hazardous Reactions	None under normal processing.	

# 11. Toxicological information

Acute Toxicity

Product Information Component Information Toxicologically Synergistic Products Delayed and immediate effects a	No information available as well as chronic effects from short and long-term exposure
Irritation	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
(1R)-endo-(+)-Fenchol	2217-02-9	Not listed	Not listed	Not listed	Not listed	Not listed
Mutagenic Effects		No information ava	ailable			
Reproductive Effect	S	No information ava	ailable.			
Developmental Effe	cts	No information ava	ailable.			
Teratogenicity		No information ava	ailable.			
STOT - single expos STOT - repeated exp		None known None known				
Aspiration hazard		No information available				
Symptoms / effects delayed	,both acute and	and No information available				
Endocrine Disrupto	r Information	No information ava	ailable			
Other Adverse Effect	cts	The toxicological p	properties have not	been fully investig	jated.	
		12. Ecol	ogical infor	mation		
Ecotoxicity Do not empty into dra	iins.					
Persistence and De	gradability	Insoluble in water	May persist based	on information ava	ailable.	
Bioaccumulation/ A	ccumulation	No information ava	ailable.			
Mobility		Is not likely mobile	in the environmer	t due its low water	solubility.	
	Component					

Component	log Pow
(1R)-endo-(+)-Fenchol	2.93

	13. Disposal considerations
Waste Disposal Methods	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.

	14. Transport information
DOT	Not regulated
DOT _TDG IATA_	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
	15. Regulatory information

### United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
(1R)-endo-(+)-Fenchol	2217-02-9	-	-	-

### 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 Substances & Mixtures, Under TSCA Section 6(h) (PBT)

Not applicable

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
(1R)-endo-(+)-Fenchol	2217-02-9	-	-	-	-	-	Х	-	-	-

**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
<b>U.S. Department of Transportation</b> 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 according to EU REACH

Not applicable

Component	CAS No	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	5	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
(1R)-endo-(+)-Fenchol	2217-02-9	-	-	-

#### 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)
(1R)-endo-(+)-Fenchol	2217-02-9	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)
(1R)-endo-(+)-Fenchol	2217-02-9	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	30-Mar-2024 30-Mar-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