

Material Safety Data Sheet

Creation Date 07-Apr-2010

Revision Date 07-Apr-2010

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Cat No.

Synonyms

Recommended Use

Company

Fisher Scientific One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100 a-Tetralone

AC138310000; AC138310250; AC138311000; AC138315000

1,2,3,4-Tetrahydro-1-naphthalenone; 3,4-Dihydro-1(2H)-naphthalenone

Laboratory chemicals

Entity / Business Name

Acros Organics One Reagent Lane Fair Lawn, NJ 07410 **Emergency Telephone Number**

For information in the US, call: 800-ACROS-01 For information in Europe, call: +32 14 57 52

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Emergency Number, Europe: +32 14 57 52 99 Emergency Number, US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-

9300

CHEMTREC Phone Number, Europe: 703-

527-3887

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Harmful by inhalation and if swallowed. May cause skin, eye, and respiratory tract irritation.

Appearance Light yellow Physical State Liquid odor odorless

Target Organs

None known.

Potential Health Effects

Acute Effects

Principle Routes of Exposure

Eyes May cause irritation.

Skin May cause irritation. May be harmful in contact with skin. **Inhalation** Harmful by inhalation. May cause irritation of respiratory tract.

Ingestion Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and

diarrhea.

Chronic Effects None known.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Component	CAS-No	Weight %
D-Tetralone	529-34-0	>95

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain

medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention

immediately if symptoms occur.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation

if victim ingested or inhaled the substance; induce artificial respiration with a respiratory

medical device. Immediate medical attention is required.

Ingestion Do not induce vomiting. Call a physician or Poison Control Center immediately.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point $> 110^{\circ}\text{C} / > 230^{\circ}\text{F}$

Method No information available.

Autoignition Temperature No information available.

Explosion Limits

UpperNo data availableLowerNo data available

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon

dioxide.

Unsuitable Extinguishing Media No information available.

Hazardous Combustion ProductsNo information available.

Sensitivity to mechanical impactNo information available.Sensitivity to static dischargeNo information available.

Specific Hazards Arising from the Chemical

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

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. Thermal decomposition can lead to release of irritating gases and vapors.

NFPA Health 2 Flammability 1 Instability 0 Physical hazards N/A

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions Should not be released into the environment.

Methods for Containment and Clean Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

Up

7. HANDLING AND STORAGE

HandlingUse only under a chemical fume hood. Wear personal protective equipment. Do not get in

eyes, on skin, or on clothing. Avoid ingestion and inhalation.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are

close to the workstation location.

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

NIOSH IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment

Skin and body protection

Eye/face ProtectionWear 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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid
Appearance Light yellow
odor odorless

Odor Threshold
pHNo information available.
No information available.Vapor Pressure0.02 mmHg @ 20 °C

Vapor Density

Viscosity No information available.

5.0

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point/Range 127° C / 260.6° F @ 13 mmHgMelting Point/Range $5 - 6^{\circ}$ C / $41 - 42.8^{\circ}$ FDecomposition temperatureNo information available.Flash Point> 110° C / > 230° FEvaporation RateNo information available.

Specific Gravity 1.096

Solubility Insoluble in water log Pow No data available

Molecular Weight146.19Molecular FormulaC10 H10 O

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products. Excess heat.

Incompatible Materials Strong oxidizing agents

Hazardous Decomposition Products Carbon monoxide (CO₂), Carbon dioxide (CO₂)

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions . None under normal processing..

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-Tetralone	810 μL/kg (Rat)	2 mL/kg (Rabbit)	4.92 mg/L/4h (rat)

Irritation No information available.

Toxicologically Synergistic

Products

No information available.

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

SensitizationNo information available.Mutagenic EffectsNo information available.Reproductive EffectsNo information available.

Developmental EffectsNo information available.

Teratogenicity No information available.

Other Adverse Effects See actual entry in RTECS for complete information. The toxicological properties have not

been fully investigated..

Endocrine Disruptor Information No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Do not empty into drains.

Persistence and Degradability

No information available

Bioaccumulation/ Accumulation

No information available

Mobility .

Component	log Pow
D-Tetralone	2.6

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

TDG Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Component TSCA	DSL NDSL	EINECS ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
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15. REGULATORY INFORMATION											
D-Tetralone	Х	-	Х	208-460- 6	-		Х	Х	Х	-	-

Legend:

- X Listed
- E Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
- F Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- N Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
- P Indicates a commenced PMN substance
- R Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- S Indicates a substance that is identified in a proposed or final Significant New Use Rule
- T Indicates a substance that is the subject of a Section 4 test rule under TSCA.
- XU Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).
- Y1 Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
- Y2 Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

Not applicable

Clean Air Act

Not applicable

OSHA

Not applicable

CERCLA

Not Applicable

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1B Toxic materials



16. OTHER INFORMATION

Prepared By Regulatory Affairs

Thermo Fisher Scientific Tel: (412) 490-8929

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"***", and red text indicates revision **Revision Summary**

Disclaimer

The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of MSDS