1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 1,3-Diphenylacetone
Cat No.: AC117170000; AC117170500; AC117172500; AC117171000; AC117175000
Synonyms: 1,3-Diphenyl-2-propanone
Recommended Use: Laboratory chemicals

Company: Fisher Scientific
Address: One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7700

2. HAZARDS IDENTIFICATION

CAUTION! May cause eye and skin irritation. The toxicological properties have not been fully investigated.

Appearance: Yellow
Physical State: Low melting solid
Odor: Odorless

Target Organs: No information available.
Potential Health Effects: No information available.
Acute Effects: No information available.
Principle Routes of Exposure: 

Eye: May cause irritation
Skin: May cause irritation

Emergency Telephone Number
For information in the US, call: 001-800-ACROS-01 (ACROS-01)
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 09
Emergency Number, US: 001-201-796-7100
CHEMTREC Phone Number, US: 001-800-424-9300
CHEMTREC Phone Number, Europe: 001-703-527-3887

3. COMPOSITION/INFORMATION ON INGREDIENTS

HazNoc-No. Component CAS-No.
2-Propanone, 1,3-diphenyl- 102-04-5

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. Obtain medical attention.
Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
Ingestion: Do not induce vomiting. Obtain medical attention.
Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point: > 110°F / 230°C
Method: No information available.
Autoignition Temperature: No information available.
Explosion Limits: No data available.
Explosion Upper: No data available
Explosion Lower: No data available
Unsuitable Extinguishing Media: No information available.
Hazardous Combustion Products: No information available.
Sensitivity to mechanical impact: No information available.
Sensitivity to static discharge: No information available.
Specific hazards arising from the Chemical: No information available.
Protective Equipment and Precautions for Firefighters: No information available.
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
NFPA: Health 1 Flammability 1 Instability 0 Physical hazards WA
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation.

Environmental Precautions
Should not be released into the environment.

Methods for Containment and Clean Up
Sorb up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not let this chemical enter the environment.

7. HANDLING AND STORAGE

Handling
Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapors or spray mist. Do not ingest.

Storage
Keep in a dry place. Keep container tightly closed. Keep refrigerated.

8. EXPOSURE CONTROLS/PERSOINAL PROTECTION

Engineering Measures
Ensure adequate ventilation, especially in confined areas. 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

Eye/Face Protection
Wear appropriate protective eyeglasses or chemical safety goggles as described by CSHHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

Skin and Body Protection
Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection
Follow the CSHHA 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
Law melting solid
Appearance
Yellow
Color
dark orange
Odor
No information available.

pH
No information available.

Vapor Pressure
No information available.

Viscosity
No information available.

Refractive Index
33.1°C / 91.6°F @ 56% rh
Melting Point/RANGE
-30.3°F / -33.2°F
Decomposition Temperature
No information available.

Flash Point
> 110°F / > 535°F
Evaporation Rate
No information available.
Specific Gravity
1.040
Solubility
No information available.

Log Pow
No data available.

Molecular Weight
215.27
Molecular Formula
C15 H14 O

10. STABILITY AND REACTIVITY

Stability
Stable under recommended storage conditions.

Conditions to Avoid
Incompatible products.

Incompatible Materials
Strong oxidizing agents

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

Hazardous Polymerization
Hazardous polymerization does not occur.

Hazardous Reactions
None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information
No acute toxicity information is available for this product

Component Information

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<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
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<tr>
<td>1,3-Diphenylacetone</td>
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Irritation
No information available.

Toxicologically Synergistic Products
No information available.

Chronic Toxicity

Carcinogenicity
There are no known carcinogenic chemicals in this product

Sensitization
No information available.

Mutagenic Effects
No information available.

Reproductive Effects
No information available.

Developmental Effects
No information available.

Teratogenicity
No information available.

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

Ecotoxicity

Persistence and Degradability
No information available

Bioaccumulation/Accumulation
No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity
Do not empty into drains.

Persistence and Degradability
No information available

Bioaccumulation/Accumulation
No information available
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

<table>
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<tr>
<th>Component</th>
<th>TSCA</th>
<th>DSL</th>
<th>RID</th>
<th>EINECS</th>
<th>ELINCS</th>
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<td>-</td>
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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 8(e) 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 consigned REN 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 6 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the updated §207(b) of TSCA
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 prepolymer and is made only from monomers included in a specified list of low concern reactants that contains 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 No
Chronic Health Hazard No

16. OTHER INFORMATION

Prepared By
Regulatory Affairs
Thermo Fisher Scientific
Email: EMDS-RA@thermofisher.com

Print Date
06-Jun-2013

Revision Summary
***, and red text indicates revision
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