

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



MATERIAL SAFETY DATA SHEET **AVOBENZONE**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name : Avobenzone
CAS No. : 70356-09-1
INCI name : Butylmethoxydibenzoylmethane

1.2 Relevant identified uses of the substance or mixture and uses advised against use of the substance/mixture

Industry Sector : Industrial Performance Chemicals
Type of use : UV absorber
Cosmetics

1.3 Details of the Supplier of the safety data sheet

Cocreate Global Technologies Private Limited

FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore,
Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com

SECTION 2: Hazards Identification

Chronic aquatic toxicity, category 4 H413: May cause long lasting harmful effects to aquatic life.

Precautionary statements : Prevention:
P273 Avoid release to the environment.
Disposal :
P501 dispose of contents/container to an approved waste disposal plant.

Other hazards : None known.

SECTION 3: Composition/information on ingredients

Substance / Mixture : Substance

Substance name : 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)propane-1,3-dione

CAS No. : 70356-09-1

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



Components

Chemical Name	CAS No.	Concentration (% w/w)
3-(4-tert-Butylphenyl)-1-(4-methoxyphenyl)propane - 1,3-dione	70356-09-1	<= 100

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General Information

Remove/Take off immediately all contaminated clothing.

After inhalation

Take affected person into fresh air. Consult a physician immediately.

After contact with skin

In case of contact with skin wash off immediately with soap and plenty of water. Get medical attention immediately.

After contact with eyes

Rinse immediately with plenty of water for at least 15 minutes. Seek medical treatment by eye specialist.

If swallowed

Rinse mouth with water.

If conscious, give the victim plenty of water to drink.

Do not induce vomiting.

In swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

SECTION 5: Fire Fighting Measures

5.1 Suitable Extinguishing media

Water spray jet, Foam, carbon dioxide (CO₂), dry chemical.

Specific hazards during fire fighting

In case of fires, hazardous combustion gases are formed - Carbon monoxide (CO), Carbon dioxide (CO₂),

Specific extinguishing

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



5.2 Advice for fire fighters

Full protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes.

6.2 Environmental precautions

Contain spillage. Do not discharge into the drains/surface waters/ground water. Do not discharge into the subsoil/soil.

6.3 Method and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contamination floors and objects thoroughly while observing environmental regulations. Treat recovered material as described in the section "Disposal considerations".

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals. Ensure good general ventilation in the workplace; local exhaust ventilation may be necessary, especially when emptying containers..

Conditions for safe storage

Keep only in the original container.

Keep container tightly closed in a cool, well-ventilation place.

Store in original container.

Technical measures/precautions

Keep away from heat.

Keep away from direct sunlight.

7.2 Materials to avoid

Do not store together with foodstuffs.

Keep away from oxidizing agents.

Do not store with acids or alkalis.

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



SECTION 8: Exposure controls/Personal protection

8.1 Components with workplace control parameters

Personal protective equipment

Respiratory protection : Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure.

Hand Protection : Protective gloves

Eye Protection : Safety goggles

Skin and body protection : Wear suitable protective clothing.

Hygiene measures : Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Use only in well-ventilated areas. Take off immediately all contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Crystalline Powder
Colour	White to light yellow
Odour	aromatic
pH-Value	Neutral

Changes in the physical state

Melting point	86 – 87.5°C Method: OECD Test guideline 102
Flash point	Not applicable
Evaporation rate	Not applicable
Burning number	Method: VDI 2263, ESCIS, Vol.1 Spread of a glowing fire
Lower explosion limits	Not applicable
Upper explosion limits	Not applicable
Vapour pressure	Not applicable
Relative vapour density	Not applicable

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



Bulk Density	406 kg/m ³
Auto-ignition temperature	Not applicable
Decomposition temperature	160.76°C Method: DTA
Water solubility	<1 g/l insoluble Method OECD Test guideline 105
Solubility in other solvents	not tested Solvent : fat
Partition coefficient	(n-octanol/water) Log Pow-6.1 (20°C)
Dust explosion class	ST2 capable to dust explosion
Oxidizing properties	Not Oxidizing

SECTION 10: Stability and reactivity

10.1 Reactivity

See section 10.3 "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Protect from heat/overheating. Exposure to sunlight.

10.5 Incompatible materials

Not known

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



LD50(Rat) >16,000 mg/kg
Method: OECD Test guideline 401
GLP: No information available

Acute inhalation toxicity
Remarks: no data available

Acute dermal toxicity
LD50/rat: >1000 mg/kg
Method: OECD Test guideline 402
GLP: No information available

The substance or mixture has no acute dermal toxicity.

Irritation and corrosivity

Skin irritation: No skin irritation
Eyes irritation: No eye irritation

Sensitising effects

Skin sensitization: Does not cause skin sensitization.

STOT-single exposure

No data available.

Carcinogenic/mutagenic/toxic effects for reproduction

Carcinogenicity: No data available
Mutagenicity: It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests..
Reproductive toxicity: No reproductive toxicity to be expected.

Aspiration hazard

No aspiration toxicity classification.

SECTION 12: Ecological information

12.1 Ecotoxicity

Do not release into the environment.

12.2 Persistence and degradability

Biodegradability: Not readily biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

Additional ecological information: The product should not be allowed to enter drains,

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



water courses or the soil.

PBT and vPvB assessment: Unavailable as chemical safety assessment not required or not conducted.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues

Dispose of in accordance with the local regulations.

Contaminated packaging

Consider recycling.

Corroded or contaminated packaging should be disposed of as product waste.

SECTION 14: Transport Information

Road Transport India	Not restricted
----------------------	----------------

IATA	Not restricted
------	----------------

IMDG	Not restricted
------	----------------

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

The factories act, 1948

The Motor Vehicles Acts, 1988

Labelling in accordance with Indian regulations: This product does not require a hazard label in accordance with Indian Regulations.

SECTION 16: Other information

Further Information

Other information : Observe nation and local legal requirements

Full text of other abbreviations

AICS – Australian inventory of chemical substances; ANTT – National Agency for Transport by Land of Brazil; ASTM – American society for the Testing of Materials; bw – Body weight, CMR – Carcinogen, Mutagen or Reproductive Toxicant; DSL – Domestic Substances list (Canada); ERG – Emergency Response Guide; ECx – Concentration associated with x% response; ELx – Loading rate associated with x% response; EmS – emergency Schedule, ENCS – Existing and New Chemical substance (Japan); ErCx – Concentration associated with x% response; ELx -GHS – Globally Harmonized System, GLP – Good Laboratory

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



Practice; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; IBC – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 – Half maximal inhibitory concentration; ICAO – International Civil Aviation Organization; IECSC – Inventory of Existing Chemical Substances in China; IMDG – International Maritime Dangerous Goods; IMO – International Maritime Organization; ISHL – Industrial Safety and Health Law (Japan); ISO – International Organisation for Standardization; LC50 – Lethal Concentration to 50% of a test population; LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL – International Convention for the Prevention of Pollution from Ships; n.o.s. – Not Otherwise Specified; REACH – Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT – Self-Accelerating Decomposition Temperature; SDS – Safety Data Sheet; TCSI – Taiwan Chemical Substance Inventory; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substance Control Act (United States); UN – United Nations; UNRTDG – United Nations recommendations on the Transport of Dangerous Goods; ; WHMIS – Workplace Hazardous Materials Information System; CAS – Chemicals Abstract Service; KECI – Korea Existing Chemicals Inventory; PICCS – Philippines Inventory of Chemicals and Chemical substances; Q(SAR) – Quantitative) Structure Activity Relationship; EN – European norm; DIN – Deutsche Industrie Norm; PBT – Persistent Bioaccumulative and Toxic; EC- Effect concentration; vPvB – Very Persistent and very Bio-accumulative.

Further Information

Other information : Observe national and local legal requirements.

(NA – Not Applicable, ND – Not Determined).

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road,
Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com

