



**Shandong Allplace Environmental
Protection Technology Co., Ltd.**

Material Safety Data Sheet

Section 1 Company Information

Company Name: Shandong Allplace Environmental Protection Technology Co., Ltd.
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Section 2 Composition, Information on Ingredients

CAS#	Chemical Name	Content	EINECS/ELINCS
7534-94-3	Isobornyl methacrylate	99%	231-403-1
150-76-5	4-Methoxyphenol	100 ppm	205-769-8

Section3 Hazards Identification

GHS hazard class:

Hazards: Potential peculiar smell hazard.
Routes of Exposure: Inhalation, Skin contact, Ingestion, Eye contact
Health Hazard: Acute hazard
Inhalation: Although no appropriate human or animal health effects data are known to Exist, this material is not expected to be an inhalation hazard.
Eye Contact: This material is expected to cause slight eye irritation.
Skin Contact: Although no appropriate human or animal health effects date is known to exist, this material is expected to be a skin irritant.
Ingestion: No significant signs or symptoms indicative of any health hazard are expected to occur as a result of ingestion.
Chronic hazard: No appropriate human or animal data are known to exist on



Shandong Allplace Environmental Protection Technology Co., Ltd.

adverse

health effects from repeated or prolonged exposure to this material.

Environmental Hazard: These materials can contaminate water if released.



Signal:warming

Hazard statement:

H303 maybe harmful if swallowed

H315 cause skin irritation

H319 cause serious eye irritation

Section4 First Aid Measures

- Skin:** move contaminated clothing as needed. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first.
- Eye:** Thoroughly flush the eyes with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.
- Inhalation:** Remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain medical attention if breathing difficulty persists.
- Ingestion:** Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Section 5 Fire Fighting Measures

- Hazard nature:** Heat from fire may volatilization, decompose, and generate flammable vapors. Airtight container may cause air pressure to rise. Cool it by watering.
- Hazardous Combustion Products:** Carbon monoxide, carbon dioxide and other combustible gas.
- Extinguishing Methods and Media:** Dry chemical, CO₂, water spray or alcohol foam, no water column.



Shandong Allplace Environmental Protection Technology Co., Ltd.

Fire Fighting Instructions: No entering without wearing appropriate protective clothing. Firefighters should wear self-contained breathing apparatus (SCBA) or positive pressure breathing apparatus (PPBA) to avoid the exposure in hazardous vapor. Fight fire from a safe distance. Cool the fire with water fog.

Section 6 Accidental Release Measures

Emergency Measures: For large spills, block up and recycle with container. Restrict people walking through and control ignition sources. Workers should wear protective clothing in the spilled area. No cleaning with water to avoid the spilled area expanding. Prevent entry into waterways. All containers should be tagged and announced in line with related regulations.

Section 7 Handling and Storage

Handling Instructions: Wear appropriate protective clothing and have part ventilation. No smoking and dieting in workplace. When finishing the work, keep a good personal hygiene. All electrical equipment should be grounded. Pneumatic conveyance or transfer of this powder must be accomplished in a nitrogen or other inert gas atmosphere rather than air. Sampling procedures, including transporting and, should avoid direct contacting with eyes, hands or body. Empty containers must undergo complete cleaning. A good ventilation is to be attained to prevent from dust/powder deposit. All containers should be labeled. Over moisture and water are both avoidable.

Storage Instructions: Store in well vented location and keep far away from ignition source and heat source. Seal containers to prevent pollution and moisture contact. All containers should be labeled to warn against exposure.

Section 8 Exposure Controls and personal protection



Shandong Allplace Environmental Protection Technology Co., Ltd.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Isobornyl methacrylate	none listed	none listed	none listed
4-Methoxyphenol	5 mg/m ³ TWA	5 mg/m ³ TWA	none listed

OSHA Vacated PELs: Isobornyl methacrylate: No OSHA Vacated PELs are listed for this chemical.
4-Methoxyphenol: 5 mg/m³ TWA

Personal Protective Equipment

Eyes: 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: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: 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.

Section 9 Physical/Chemical Properties

Physical State: Liquid

Appearance: clear yellow

Odor: None reported.

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: 7.7

Evaporation Rate: Not available.

Viscosity: 10 ~ 15 (25°C) mPa·s

Boiling Point: 245°C / 760mmHg

Freezing/Melting Point: -60°C

Decomposition Temperature: Not available.

Solubility: negligible

Specific Gravity/Density: 0.9800g/ml

Molecular Formula: C₁₄H₂₂O₂

Molecular Weight: 222.33



Shandong Allplace Environmental Protection Technology Co., Ltd.

Section 10 Stability and Reactivity

Chemical Stability: Stable only if stored and handled under recommended conditions. The stability of the product depends upon the availability of both dissolved oxygen and MEHQ inhibitor (CAS=150-76-5). The presence of oxygen is necessary for the MEHQ to function effectively. The product should never be stored under an inert gas atmosphere, but should always be stored under an atmosphere containing 5-21% oxygen by volume.

Conditions to Avoid: Incompatible materials, excess heat, electrical sparks, exposure to flame, loss of inhibitor.

Incompatibilities with Other Materials: Oxidizing agents, reducing agents, peroxides.

Hazardous Decomposition Products: Carbon monoxide, carbon monoxide, carbon dioxide.

Hazardous Polymerization: May occur.

Section 11 Toxicological Information

RTECS#:

CAS# 7534-94-3 unlisted.

CAS# 150-76-5: SL7700000

LD50/LC50:

Not available.

CAS# 150-76-5:

Draize test, rabbit, skin: 6 gm/12D (Intermittent) Mild;

Draize test, rabbit, skin: 10%;

Oral, rat: LD50 = 1600 mg/kg;

Carcinogenicity:

CAS# 7534-94-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 150-76-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Mutagenicity: No data available.

Neurotoxicity: No data available.

Other Studies:

Section 12 Ecological Information



Shandong Allplace Environmental Protection Technology Co., Ltd.

Ecological Toxicity: No Data Available.
Environmental Fate: No Data Available.
Biological Degradation: No data Available.
Non-biological degradation: No Data Available.
Biological Accumulation: No accumulation is expected
Other Effects: No Data Available.

Section 13 Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 Transport Information

UN number:3082

UN proper shipping name: Environmentally Hazardous Substance liquid.

Transportation secondary hazard class: 9

Packing group: 111

Section 15 Regulatory Information

US FEDERAL

TSCA

CAS# 7534-94-3 is listed on the TSCA inventory.

CAS# 150-76-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

CAS# 150-76-5: 40 CFR 799.5115

Section 12b

CAS# 150-76-5: Section 4, 1 % de minimus concentration

TSCA Significant New Use Rule



Shandong Allplace Environmental Protection Technology Co., Ltd.

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 150-76-5: immediate.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7534-94-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 150-76-5 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7534-94-3: 1

CAS# 150-76-5: 1



Shandong Allplace Environmental Protection Technology Co., Ltd.

Canada - DSL/NDSL

CAS# 7534-94-3 is listed on Canada's DSL List.

CAS# 150-76-5 is listed on Canada's DSL List.

Canada - WHMIS

WHMIS: Not available.

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

Canadian Ingredient Disclosure List

CAS# 150-76-5 is listed on the Canadian Ingredient Disclosure List.

Section 16 Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

Other Information: the above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.