

SAFETY DATA SHEET

According to the OSHA Hazard Communication Standard (29 CFR 1910.1200)



ADK STABILIZER

Date of issue : May/10/2016

AO-60

SDS No.: US-75702

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

1.1. Product identifier

ADK STABILIZER AO-60

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

Relevant uses

Antioxidant

1.3. Details of the supplier of the safety data sheet

Manufacturer:

ADEKA CORPORATION

2-35, HIGASHI-OGU 7-CHOME, ARAKAWA-KU, TOKYO 116-8554, JAPAN

TEL: 81-3-4455-2845 FAX: 81-3-3809-8242

Distributor:

AMFINE CHEMICAL CORPORATION

777 TERRACE AVENUE, SUITE #602B, HASBROUCK HEIGHTS, NJ 07604, USA

TEL: 1-(201)-818-0159 FAX: 1-(201)-818-0259 E-MAIL: sales@amfine.com

9 AM – 5 PM EST, Monday – Friday (excluding holidays)

1.4. Emergency telephone number

CHEMTREC TEL: 1-(800)-424-9300 24hours/7days

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200-2012) [GHS]:

Classification
Combustible dust (OSHA)

2.2. Label elements

Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200) [GHS]:

Symbols	None
Signal word	Warning
Hazard Statements	May form combustible dust concentrations in air (OSHA)
Precautionary Statements	None

SAFETY DATA SHEET

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2.3. Unclassified hazards: None

2.4. Percentage of ingredients with unknown toxicity: None

SECTION 3: Composition/information on ingredients

Product-type: Substance

Name	%	CAS No.	Classification according to OSHA HCS (29 CFR 1910.1200)
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester	>97	6683-19-8	-

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact

Wash off immediately with plenty of soap and water. Take all contaminated clothing off immediately. Seek medical advice if irritation develops.

Eye contact

Immediately flush with large quantities of clean water for at least 15 minutes and call a physician.

Inhalation

Move affected person to fresh air. In case of exposure to respiratory system or mucous membranes, or if you feel unwell or in case of prolonged exposure, get medical attention.

Ingestion

Do not induce vomiting. See a physician.

Note to physician

None

4.2. Most important symptoms and effects, both acute and delayed

No data available

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

No data available

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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Carbon dioxide, dry chemical powder, alcohol or polymer foam.

5.2. Specific hazards arising from the substance or mixture

Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Smoke, fumes, oxides of carbon

5.3. Special protective equipment and precautions for firefighters

Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air). Nonsparking tools should be used.

Clean-up personnel should wear protective clothing and equipment to prevent inhalation of dusts and skin and eye contact.

6.2. Environmental precautions

Do not flush into the sewer.

6.3. Methods and material for containment and cleaning up

Carefully collect the spilled material and place in a bucket. The area should be thoroughly cleaned.

6.4. Reference to other sections

See Section 8+13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Avoid contact with eyes. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapour. Avoid prolonged or repeated contact with skin.

Do not allow it to reach to the waterways.

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ADK STABILIZER

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AO-60

SDS No.: US-75702

Avoid vapor formation and ignition sources.

7.2. Conditions for safe storage, including any incompatibilities

Store away from heat / moisture / strong oxidizing agents.

7.3. Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Name	OSHA PEL		ACGIH TLV			
	TWA		STEL		TWA	
	mg/m ³	ppm	mg/m ³	ppm	mg/m ³	ppm
Not applicable						

8.2. Exposure controls

Appropriate engineering controls

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses or splash goggles. Contact lenses should not be worn.

Skin protection

Hand protection: Chemical resistant gloves. Wear overall and closed footwear.

Other: No information available

Respiratory protection: If vapors, mists or aerosols are generated, wear an approved respirator.

Thermal hazards: No information available

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Environmental exposure controls

Treat this product in accordance with the directives and regulations in the United States.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	White powder
Odor:	Odorless
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point °F (°C):	230-266 (110-130) ¹⁾
Initial boiling point and boiling range °F (°C):	No data available
Flash point °F (°C):	Not applicable
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	Upper: 170 g/m ³ ¹⁾ Lower: No data available
Vapor pressure (Pa):	1.3 x 10 ⁻¹⁰ at 68°F (20°C) ²⁾
Vapor density:	No data available
Relative density:	1.15 at 68°F (20°C) ²⁾
Solubility water solubility:	<0.1 g/L at 77°F (25°C) ¹⁾
fat solubility:	No data available
Partition coefficient (n-octanol/water):	Log Pow=23 ²⁾
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity (mPa·s):	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stable under normal ambient conditions (ambient temperature)

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Keep away from heat, moisture and static discharges.

10.5. Incompatible materials

SAFETY DATA SHEET

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Keep away from oxidizing agents, peroxides and strong acid.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may produce oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:	Oral LD ₅₀ (rat) >5000 mg/kg ³⁾ Dermal LD ₅₀ (rat) >3160 mg/kg ³⁾ Inhalation LC ₅₀ (rat) >1.95 mg/L ³⁾
Skin corrosion/irritation:	Not irritant (rabbit) ³⁾
Serious eye damage/irritation:	Not irritant (rabbit) ³⁾
Respiratory or skin sensitization:	Not sensitizing (guinea pig) ³⁾
Germ cell mutagenicity:	Negative in Ames test ³⁾ Negative in Micronucleus test (in vivo, Chinese hamster) ³⁾ Negative in Chromosome aberration test (in vivo, Chinese hamster) ⁴⁾
Carcinogenicity:	Not listed as a carcinogen by ACGIH, NTP, IARC, OSHA or NIOSH.
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available
Other information:	Dog 90-day oral toxicity NOAEL=302-343 mg/kg/day ³⁾

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity to fish (Zebra fish)	LC ₅₀ (96h) >83 mg/L ³⁾
Acute toxicity to daphnia (<i>Daphnia magna</i>)	EC ₅₀ (24h) >100 mg/L ³⁾
Acute toxicity to algae (<i>Scenedesmus sp.</i>)	E _r C ₅₀ (72h) >141 mg/L ³⁾

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12.2. Persistence and degradability	Not readily biodegradable ⁵⁾
12.3. Bioaccumulative potential	Bioconcentration factor (BCF) <2.3 ⁵⁾
12.4. Mobility in soil	No data available
12.5. Results of PBT and vPvB assessment	No data available
12.6. Other adverse effects	No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Incineration:** Should be in accordance with local regulations.
 - Recycling:** Should be in accordance with local regulations.
 - Land filling:** Should be in accordance with local regulations.
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SECTION 14: Transport information

14.1. UN number	See the below table
14.2. UN proper shipping name	See the below table
14.3. Transport hazard class(es)	See the below table
14.4. Packing group	See the below table
14.5. Environmental hazards	See section 14.2 in accordance with UN shipping name
14.6. Special precautions for user	Relevant information under SECTION 6 to 8.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No data available

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	UN No.	Class	Proper shipping name	Packing group	Marine pollutant
IMDG	None				None
DOT	None				---
ICAO/IATA	None				---

SECTION 15: Regulatory information

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

Not available.

US FEDERAL REGULATION:

TSCA: TSCA INVENTORY registered not registered

SARA TITLE III

SECTION 313 TOXIC CHEMICALS:

COMPONENT	CAS RN	Wt%
Not applicable		

California Prop. 65:

COMPONENT	CAS RN	Wt%
Not applicable		

INTERNATIONAL INFORMATION:

CEPA : DSL registered not registered
REACH (EU): registered not registered

SECTION 16: Other information

- Reference:
- 1) Our testing data
 - 2) Safety Data Sheet by other manufacturer
 - 3) OECD SIDS Initial Assessment Profile (October 2006)
 - 4) U.S. EPA. HPV Chemicals Screening-Level Hazard Characterization (October 2007)
 - 5) Data from National Institute of Technology and Evaluation, Japan

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids.

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Technical contact point

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