

Material Safety Data Sheet (MSDS)

ATICPLAS200® DOTP

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Section 1 - Chemical Product and Company Identification

1.1 Material Identity / Product identifier:

Product form	: Substance
Chemical name	: Bis(2-ethylhexyl) terephthalate
Synonyms	: DOTP (Dioctyl Terephthalate)
Molecular Formula	: C ₂₄ H ₃₈ O ₄
CAS Registry Number	: 6422-86-2
EC No.	: 229-176-9
Chemical Family	: 1,4-Benzenedicarboxylic acid

1.2 Relevant identified uses of the substance or mixture:

Plasticizer in plastics coatings, rubbers and PVC

1.3 Details of the supplier of the safety data sheet

Supplier	: Atic Kimya Sanayi ve Ticaret Limited Sirketi
Supplier address	: Demircilerosb Mahallesi Refik Baydur Caddesi No:20/3 (GEBKİM OSB), Dilovası / Kocaeli / Turkey
Email	: info@atickimya.com
Web:	: www.atickimya.com

1.4 Emergency telephone number

Emergency Number : +90 262 502 06 18

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

This substance is classified in accordance with regulation (EC) No. 1272/2008 [CLP]:
Not classified



Potential Health Effects

- Eyes:** May cause slight eye irritation of susceptible persons.
Skin: Repeated or prolonged skin contact may cause mild skin irritation.
Ingestion: May irritate mouth, throat and stomach.
Inhalation: May cause dizziness.

2.2 Label elements

No labelling applicable

2.3 Other hazards

No additional information available

Section 3 - Composition, Information on Ingredients

3.1 Substances

Chemical Name	Common Name Synonyms	CAS number	Content (%)
Diocetyl Terephthalate	bis(2-ethylhexyl) terephthalate	6422-86-2	≥99.5

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation	Remove from contaminated area promptly. If breathing stops, administer artificial respiration and seek medical aid promptly.
Ingestion	Product ingestion may cause gastrointestinal irritation. Give plenty of water to dilute product. Do not induce vomiting. Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Never give anything by mouth to an unconscious person. Seek medical advice.
Skin	Wash immediately with soap and plenty of water over 15 minutes. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered. Seek medical assistance.
Eye	Wash eyes with plenty of water over 15 minutes, holding eyelids open. Seek medical assistance promptly if there is irritation.



4.2 Most important symptoms and effects, both acute and delayed

Main symptoms

No additional information available

Special hazard

No additional information available

4.3 Indication of any immediate medical attention and special treatment needed

General advice

Treat symptomatically.

Section 5 - Fire Fighting Measures

5.1	Suitable Extinguishing agents	Use CO2, extinguishing powder, Water Spray or Foam. Fight larger fires with water spray or alcohol resistant foam.
5.2	Special hazards	Use water spray to cool containers and structures exposed to fire. Use water spray to disperse vapors in case of leaks or spills.
	Combustion decomposition products	Burning may produce carbon monoxide, carbon dioxide. Incomplete combustion may also produce acid smoke and irritating fumes.
5.3	Advice for firefighters	Water spray or fog carefully applied to surface of the burning material can be used to extinguish the fire and absorb heat, keep containers cool and protect fire-exposed materials. Do not get water into containers. Use water spray to flush spills away from ignition sources.
	Personal protective equipment	Wear full protective clothing (chemical splash suit) and positive pressure self-contained breathing apparatus.
	Additional Information	Cool endangered receptacles with water spray. Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING

Health: [0] - No unusual hazards upon exposure to fire conditions.

Flammability: [1] - Must be strongly heated before ignition will occur.

Instability: [0] - Stable even under exposure to fire.



Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Use respiratory protective device against the effects of fumes/dusts/aerosol. For further information refer to section 8: "Exposure controls/personal protection".

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6.2 Environmental precautions

Do not allow product to reach sewage system or any water source. Do not allow to penetrate the ground / soil.

6.3 Methods and material for containment and cleaning up

Methods for containment

Stop the flow of material. Dike and contain the spill with inert material (i.e., sand, earth, sawdust, diatomite, acid binders, universal binders) and transfer liquid and solid diking material to separate containers for recovery or disposal.

Methods for cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities, clean up promptly by scoop or vacuum. Dispose of in accordance with local regulations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Wash hands immediately after handling the product. Provide enough air exchange and/or exhaust in work rooms.

Hygiene measures

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Take off all contaminated clothing immediately. Wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in containers/drums perfectly closed, in a cool, dry environment and well-ventilated area, away from open flame and oxidizing agents.



7.3 Specific end uses

No additional information available

Section 8 - Exposure Controls, Personal Protection

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8.1 Control parameters

No additional information available.

8.2 Exposure controls

Engineering measures:

For normal operation, local exhaust ventilation should suffice. Direct exhaust may be necessary when material becomes heated and vapors are given off.

General protective and hygienic measures:

- The usual precautionary measures should be adhered to when handling chemicals.
- Immediately remove all soiled and contaminated clothing
- Do not inhale gases / fumes / aerosols.
- Avoid close or long-term contact with the skin.
- Avoid contact with the eyes.
- Do not eat or drink while working.
- The usual protective measures based on the application must be followed.

Respiratory protection:

In case of lack of ventilation, use a properly fitted, air-purifying or air-fed respirator complying with an approved standard.

Hand protection:

Neoprene or Viton Gloves. The glove material must be impermeable and resistant to the substance. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection:

Impermeable protective clothing.

Other precautions

Eyewash facility in vicinity. Self-contained breathing apparatus must be available in case of emergency.



Section 9 - Physical and Chemical Properties

Physical state	: Liquid
Color (Hazen)	: Colorless to pale yellow (25 hazen max)
Odor	: Slight
Molecular Weight	: 390.6 gr
Melting Point	: -48°C
Boiling Point	: 395 °C
Moisture (wt %)	: 0.1 max
Acid value (mg KOH/g)	: 0.1 max
Flash Point (Closed Cup)	: 190 °C min
Ester content wt %	: 99.5 min
Specific Gravity (25 °C,g/ml)	: 0.975 - 0.985
Refractive Index (25 °C)	: 1.484 - 1.490
Viscosity (dynamic) @ 25 °C	: 60 - 65 cp
Solubility in Water	: Negligible
Also soluble in	: acetone, ethanol, aromatic hydrocarbons

Section 10 - Stability and Reactivity

10.1	Reactivity	Stable under normal conditions of use, storage and transportation.
10.2	Chemical stability	Stable under ordinary conditions of use and storage in closed containers.
10.3	Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4	Conditions to avoid	Heating at high temperatures.
10.5	Incompatible materials	Strong oxidizers.
10.6	Hazardous decomposition products	Carbon monoxide and dioxide may form when heated to decomposition. The product may produce irritating fume when is heated to decomposition.



Section 11 - Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity:

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Route	Species	Test	Dose	Unit
Oral	Rat	LD-50	> 5,000	mg/kg
Dermal	Guinea Pig	LD-50	> 20,000	mg/kg

Skin Contact:	: Little to no effect Skin
Absorption	: Not absorbed through the skin
Eye Contact:	: Mildly irritating – will not damage eyes
Inhalation:	: Little effect, nasal irritation
Ingestion	: Not known – not a route of industrial exposure
Sensitization	: No sensitizing effects known.
Germ cell mutagenicity	: No information available.
Carcinogenicity	: No information available.
Reproductive toxicity	: No information available

Section 12 - Ecological Information

12.1 Toxicity

Species	Test	Dose	Exposure
Fathead Minnow	LC-50	> 984 mg/L	96 hours
Ramshorn Snail	LC-50	> 984 mg/L	96 hours
Oyster	EC-50	> 0,624 mg/L	96 hours
Daphnid	EC-50	> 0,0014 mg/L	48 hours
Selenastrum Capricornutum	EC-50	> 0,86 mg/L	72 hours



12.2 Persistence and Degradability

Readily biodegradable

12.3 Bio-accumulative Potential

Accumulation in organisms is not to be expected.

12.4 Mobility in Soil

No information available.

12.5 PBT and vPvB Assessment

No information available.

12.6 Other Adverse Effects

No information available

Section 13 - Disposal Considerations

13.1 Disposal Methods

Disposal of material should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

13.2 Contaminated Packaging

Dispose contaminated packaging in compliance with local and national regulations.

Section 14 - Transport Information

		Sea Transport	Land Transport		Air Transport	
		IMDG	ADR	RID	IATA	ICAO
14.1	UN/ID No.	Not Regulated	Not Regulated		Not Regulated	
14.2	Proper Shipping Name	Not Regulated	Not Regulated		Not Regulated	
14.3	Hazard Class	Not Regulated	Not Regulated		Not Regulated	
14.4	Packing Group	Not Regulated	Not Regulated		Not Regulated	
14.5	Marine pollutant	Not Regulated	Not Regulated		Not Regulated	
14.6	Special Provisions	Not Regulated	Not Regulated		Not Regulated	
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Regulated	Not Regulated		Not Regulated	



Section 15 - Regulatory Information

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

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OSHA Hazard Communication Standard (29 CFR 1910.1200)

This product is not a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard.

Toxic Substances Control Act (TSCA)

All components are on the inventory or in compliance with the inventory.

European Union

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV).

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Australia Inventory of Chemical Substances (AICS)

No information available.

Canada Domestic Substance List (DSL)

No information available.

China Existing Chemical Inventory (IECSC)

No information available.

European Inventory of Existing Commercial Chemical Substances (EINECS)

No information available.

Japanese Existing and New Chemical Substances Inventory (ENCS)

No information available.

Korea Toxic Chemical Control Law (KECI) or Existing Chemicals List (ECL)

No information available.

Malaysia Environmentally Hazardous Substances Notification and Registration (EHSNR)

No information available.



Philippine Inventory of Chemicals and Chemical Substances (PICCS)

No information available.

New Zealand Inventory of Chemicals (NZIoC)

No information available.

Taiwan Inventory of Chemicals (CSNN)

No information available.

Mexico El Inventario Nacional de Sustancias Quimicas (INSQ)

No information available.

Section 16 - Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations given here are derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the user's responsibility to determine the suitability of the supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact us if you need specific information beyond what is supplied above.

End of Safety Data Sheet**Contact Information**

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