# Safety Data Sheet acc. to OSHA HCS





### Product name: 3-Benzoylacrylic acid, predominantly trans

(Contd. of page 1)

	(conta: of page 1)
4 First-aid measures	
Description of first aid measures After inhalation	
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.	
After skin contact Immediately wash with water and soap and rinse thoroughly.	
Seek immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.	
After swallowing Seek medical treatment. Information for doctor	
Most important symptoms and effects, both acute and delayed Causes skin irritation	
Causes serious eye irritation. Toxic if swallowed	
May cause respiratory irritation. Indication of any immediate medical attention and special treatment needed No further relevant information available.	
5 Fire-fighting measures	
Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide	
Advice for firefighters Protective equipment:	
Wear self-contained respirator. Wear fully protective impervious suit.	
6 Accidental release measures	
<b>Personal precautions, protective equipment and emergency procedures</b> Wear protective equipment. Keep unprotected persons away.	
Ensure adequate ventilation Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.	
Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 13.	
Ensure adequate ventilation. <b>Prevention of secondary hazards:</b> No special measures required. <b>Reference to other sections</b>	
See Section 7 for information on safe handling	
See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	
7 Handling and storage	
Handling Precautions for safe handling	
Keep container tightly sealed.	
Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known.	
Conditions for safe storage, including any incompatibilities	
Storage Requirements to be met by storerooms and receptacles: No special requirements.	
Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed.	
Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available.	
8 Exposure controls/personal protection	
Additional information about design of technical systems:	
Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters	
<b>Components with limit values that require monitoring at the workplace:</b> The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.	
Additional information: No data	
Exposure controls Personal protective equipment Concerst protective and hydronic measures	
<b>General protective and hygienic measures</b> The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed.	
Remove all solled and contaminated clothing immediately. Wash hands before breaks and at the end of work.	
Avoid contact with the eves and skin	
Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands:	
Impervious gloves Check protective gloves prior to each use for their proper condition.	
The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Eve protection: Safety dasses	
Body protection: Protective work clothing.	(Contd on page 3)

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### Product name: 3-Benzoylacrylic acid, predominantly trans

Froduct hame. 5-Denzoyiaci yiic acit		(Contd. of page 2)	
9 Physical and chemical properties			
Information on basic physical and che General Information			
Appearance: Form:	Crystalline powder		
Color:	Yellow		
Odor: Odor threshold:	Odorless Not determined.		
pH-value:	Not applicable.		
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	93-97 °C (199-207 °F) Not determined Not determined		
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	Not applicable Not determined. Not determined Not determined Not determined.		
Danger of explosion:	Product does not present an explosion hazard.		
Explosion limits: Lower:	Not determined		
Upper: Vapor pressure:	Not determined Not applicable.		
Density: Relative density	Not determined Not determined		
Vapor density	Not applicable.		
Evaporation rate Solubility in / Miscibility with	Not applicable.		
Water: Partition coefficient (n-octanol/water):	Insoluble : Not determined.		
Viscosity: dynamic:	Not applicable.		
kinematic: Other information	Not applicable. No further relevant information available.		
LD/LC50 values that are relevant for c Oral LD50 250 mg/kg (mouse) Skin irritation or corrosion: Causes sk Eye irritation or corrosion: Causes sen Sensitization: No sensitizing effects kno Germ cell mutagenicity: No effects kno Carcinogenicity: No classification data Reproductive foxicity: No effects know	al Substances (RTECS) contains acute toxicity data for this substance. <b>Iassification:</b> rious eye irritation. own. own. own. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.		
Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known.			
Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. Carcinogenic categories OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.			
12 Ecological information			
Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No furth Bioaccumulative potential No further r Mobility in soil No further relevant inforn Additional ecological information: General notes: Do not allow material to be released to the source of the	elevant information available. mation available. he environment without proper governmental permits. quantities to reach ground water, water course or sewage system. <b>t</b>		
13 Disposal considerations			
Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal.			

(Contd. on page 4)

# Safety Data Sheet

# Product name: 3-Benzoylacrylic acid, predominantly trans

#### Uncleaned packagings:

(Contd. of page 3)

4 Transport information	
UN-Number DOT, IMDG, IATA	UN2811
IIN proper shipping name	
DOT IMDG, IATA	Toxic solids, organic, n.o.s. (3-Benzoylacrylic acid, predominantly trans) TOXIC SOLID, ORGANIC, N.O.S. (3-Benzoylacrylic acid, predominantly trans)
Transport hazard class(es)	
DOT	
1 and	
Class Label	6.1 Toxic substances. 6.1
Class	6.1 (T2) Toxic substances
Label IMDG, IATA	6.1
Class Label	6.1 Toxic substances. 6.1
Packing group DOT, IMDG, IATA	111
Environmental hazards:	Not applicable.
Special precautions for user EMS Number:	Warning: Toxic substances F-A,S-A
Transport in bulk according to Annex II of MARPOL73/78	and the IBC Code Not applicable.
Transport/Additional information: DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	UN2811, Toxic solids, organic, n.o.s. (3-Benzoylacrylic acid, predominantly tran 6.1, III
Safety, health and environmental regulations/legislation GHS label elements The product is classified and labeled in Hazard pictograms	<b>specific for the substance or mixture</b> accordance with 29 CFR 1910 (OSHA HCS)
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(Contd. of page 4)

USA

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ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal dose, 50 percent VeryB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) NAR: Conventional Safety and Health Administration (USA) NTP: National Toxicology Program (USA) Acute Tox: 3: Acute toxicity, Hazard Category 2 Skin Intt. 2: Skin corrosion/irritation, Hazard Category 2A Skin Intt. 24: Serious eye damage/eye initation, Hazard Category 3
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