



Product name: 2,3'-Dibromoacetophenone

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Indication of any immediate medical attention and special treatment needed No further relevant information available.	(, , , , ,

5 Fire-fighting measures

Extinguishing media Suitable extinguishing agents CO2, sand, extinguishing powder. Do not use water. 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 dióxide Hydrogen bromide (HBr) Advice for firefighters **Protective equipment:** Wear self-contained respirator. Wear fully protective impervious suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away 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: Use neutralizing agent. Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections 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

Frecautions for safe handling Keep container tightly sealed. 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: Refrigerate Information about storage in one common storage facility: Store away from oxidizing agents. Store away from strong bases. Protect from heat. Further information about storage conditions: Keep container tightly sealed. Refrigerate 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 Components with limit values that require monitoring at the workplace: Not required. Additional information: No data

Exposure controls

Personal protective equipment

General protective and hygienic measures

General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes 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 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. **Eye protection:** Tightly sealed goggles

Full face protection Body protection: Protective work clothing.

9 Physical and chemical properties

Information on basic physical and ch General Information Appearance:	nemical properties
Form: Color:	Crystalline powder White
Odor: Odor threshold:	Pungent Not determined.
pH-value:	Not applicable.
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	49-52 °C (120-126 °F) Not determined Not determined
Flash point:	Not applicable
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Product name: 2,3'-Dibromoacetophenone

Product name: 2,3'-Dibromoacetophenone			
		(Contd. of page 2)	
Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	Not determined. Not determined Not determined. Not determined.		
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water) Viscosity: dynamic: kinematic: Other information	Product does not present an explosion hazard. Not determined Not determined Not determined. Not determined. Not applicable. Insoluble Not applicable. Not determined. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.		
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Bases Heat Heat Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen bromide			
LD/LC50 values that are relevant for of Skin irritation or corrosion: Causes se Eye irritation or corrosion: This product is a lachrymator. Causes serious eye damage. Sensitization: No sensitizing effects kno Germ cell mutagenicity: No effects know Carcinogenicity: No classification data Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects	evere skin burns. own. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. vn. - repeated exposure: No effects known. - single exposure: No effects known.		
12 Ecological information Toxicity Aquatic toxicity: No further relevant inf Persistence and degradability No furth Bioaccumulative potential No further r Mobility in soil No further relevant infor Additional ecological information: General notes: Do not allow material to be released to t Avoid transfer into the environment. Results of PBT and vPvB assessmen PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant	relevant information available. rmation available. the environment without proper governmental permits. I t		
13 Disposal considerations Waste treatment methods Recommendation Consult state, local of Uncleaned packagings: Recommendation: Disposal must be m	or national regulations to ensure proper disposal. nade according to official regulations.		
14 Transport information			
UN-Number DOT, IMDG, IATA	UN3261		
UN proper shipping name DOT IMDG, IATA	Corrosive solid, acidic, organic, n.o.s. (2,3'-Dibromoacetophenone CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (2,3'-Dibromoac	cetophenone)	
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Product name: 2,3'-Dibromoacetophenone	
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Transport hazard class(es)	
DOT	
22	
	0. On the substances
Class Label	8 Corrosive substances. 8 2 (Ot) Commission to tennot
Class Label	8 (C4) Corrosive substances 8
IMDG, IATA	
1233	
Class	8 Corrosive substances.
Label	8
Packing group DOT, IMDG, IATA	11
Environmental hazards:	Not applicable.
Special precautions for user Segregation groups	Warning: Corrosive substances Acids
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Cod	le Not applicable.
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	UN3261, Corrosive solid, acidic, organic, n.o.s. (2,3'-Dibromoacetophenone), 8, II
15 Regulatory information	
SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Information about limitation of use: For use only by technically qualified indiv Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regular The conditions of restrictions according to Article 67 and Annex XVII of the market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Su Chemical safety assessment: A Chemical Safety Assessment has not been c	ubstances Control Act Chemical Substance Inventory. Use of this product is restricted der the supervision of a technically qualified individual as defined by TSCA. This nercial purposes. ividuals. htions (EC) No. 1907/2006. Substance is not listed. he Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
 16 Other information Employers should use this information only as a supplement to other information information to ensure proper use and protect the health and safety of employees conformance with this Material Safety Data Sheet, or in combination with any o Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (ATA-DGR, Dangerous Goods Regulations by the "International Air Transport Association" (IATA) (IATA) CAO-TI: Technical Instructions by the "International Air Transport Association" (IAAO-TI: Technical Instructions by the "International Congenization" (ICAO: International Congenization (ICAO) ADR: Accord europeen sur le transport des marchandises dangereuses par chemin de fer IDT: US Department of Transportation IAADER: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association IATA: International Air Transport Association IATA: Lethenical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Use opplace Hazardous Materials Information System (Canada) LCS0: Lethal concentration, 50 percent VPB: very Persistent and very Bioaccumulative ACGHT: American Conference of Governmentell Industrial Hygienists (US	on gathered by them, and should make independent judgement of suitability of this es. This information is furnished without warranty, and any use of the product not in other product or process, is the responsibility of the user. (Regulations Concerning the International Transport of Dangerous Goods by Rail) nt concerning the International Carriage of Dangerous Goods by Road)