



	Review	red on 03/06/2006
Product name: 3,5-Dibromobenzalde	ehyde	
·		(Contd. of page 1)
Information for doctor Most important symptoms and effects	s, both acute and delayed No further relevant information available.	(Conta: of page 1)
Indication of any immediate medical a	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 subs If this product is involved in a fire, the fol	stance or mitguishing power of watch spray. Fight larger mee with watch spray of alcohor resistant rouni.	
Carbon monoxide and carbon dioxide	liowing can be released:	
Hydrogen bromide (HBr) Advice for firefighters		
Protective equipment:		
Wear self-contained respirator. Wear fully protective impervious suit.		
6 Accidental release measures		
Personal precautions, protective equi	ipment and emergency procedures	
Wear protective equipment. Keep unprot Ensure adequate ventilation	tected persons away.	
Environmental precautions: Do not all	low material to be released to the environment without proper governmental permits. It and cleaning up: Ensure adequate ventilation.	
Prevention of secondary hazards: No		
<b>Reference to other sections</b> See Section 7 for information on safe ha	andling	
See Section 8 for information on persona See Section 13 for disposal information.	al protection equipment.	
7 Handling and storage Handling		
Precautions for safe handling		
Keep container tightly sealed. Store in cool, dry place in tightly closed of	containers.	
Ensure good ventilation at the workplace	e. <b>explosions and fires:</b> No information known.	
Conditions for safe storage, including	•	
Storage	ns and receptacles: No special requirements.	
Information about storage in one com	<b>nmon storage facility:</b> Store away from oxidizing agents.	
Further information about storage con Keep container tightly sealed.		
Store in cool, dry conditions in well seale Specific end use(s) No further relevant	ed containers.	
8 Exposure controls/personal prote		
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 meas	sures	
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 eves and skin.		
Maintain an ergonomically appropriate w Breathing equipment: Use suitable res	vorking environment. pirator when high concentrations are present.	
Protection of hands: Impervious gloves	· • •	
Check protective gloves prior to each us The selection of suitable gloves not only	se for their proper condition. / depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.	
Penetration time of glove material (in	minutes) Not determined	
Eye protection: Safety glasses Body protection: Protective work clothin	ing.	
9 Physical and chemical properties		
Information on basic physical and che		
General Information Appearance:		
Form: Color:	Powder White	
Odor:	Not determined	
Odor threshold: pH-value:	Not determined. Not applicable.	
Change in condition		
Melting point/Melting range:	89-93 °C (192-199 °F) Not determined	
Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined	
Flash point:	Not applicable Not determined.	
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Flammability (solid, gaseous) Ignition temperature:	Not determined	
Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:		(Contd. on page 3)

## Product name: 3,5-Dibromobenzaldehyde

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Product name: 3,5-Dibromobenzalde	ehyde	
		(Contd. of page 2)
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.	
Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not applicable.	
Density:	Not determined Not determined.	
Relative density Vapor density	Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water:	Insoluble	
Partition coefficient (n-octanol/water): Viscosity:	: Not determined.	
dynamic: kinematic:	Not applicable. Not applicable	
Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known		
Chemical stability Stable under recommendations of the stability of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing ager Hazardous decomposition products:	t information available.	
Carbon monoxide and carbon dioxide Hydrogen bromide		
11 Toxicological information		
Information on toxicological effects		
Acute toxicity: No effects known. LD/LC50 values that are relevant for c	Alaccification: No data	
Skin irritation or corrosion: Causes sk	kin irritation.	
Eye irritation or corrosion: Causes ser Sensitization: No sensitizing effects kno	rious eye irritation.	
Germ cell mutagenicity: No effects kno	own.	
Reproductive toxicity: No effects know	on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Specific target organ system toxicity	<ul> <li>repeated exposure: No effects known.</li> <li>single exposure: May cause respiratory irritation.</li> </ul>	
Aspiration hazard: No effects known.		
Subacute to chronic toxicity: No effect	ts known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
<u>~</u>		
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant info	formation available.	
Persistence and degradability No furth Bioaccumulative potential No further n	her relevant information available.	
Mobility in soil No further relevant infor	mation available.	
Additional ecological information: General notes:		
Do not allow material to be released to the	the environment without proper governmental permits.	
Avoid transfer into the environment. Results of PBT and vPvB assessment	t	
PBT: Not applicable.		
vPvB: Not applicable. Other adverse effects No further relevant	ant information available.	
13 Disposal considerations		
Waste treatment methods		
Uncleaned packagings:	or national regulations to ensure proper disposal.	
Recommendation: Disposal must be m	nade according to official regulations.	
14 Transport information Not a hazardous material for transportati	ion.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name		
DOŤ, IMDG, IATA Č Transport hazard class(es)	None	
DOT, ADR, IMDG, IATA		
Class Packing group	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex Transport/Additional information:	( If of MARPOL73/78 and the IBC Code Not applicable. Not dangerous according to the above specifications.	
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roduct name: 3,5-Dibromobenzaldehyde	
	(Contd. of page 3
DOT Marine Pollutant (DOT):	No
I5 Regulatory information Safety, health and environmental regulations/leg GHS label elements The product is classified and l Hazard pictograms	<b>gislation specific for the substance or mixture</b> labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
P405 Store locked up. P501 Dispose of contents/container in National regulations This product is not listed in the U.S. Environmental is to research and development only. This product mus product must not be used for commercial purposes SARA Section 313 (specific toxic chemical listing California Proposition 65 Prop 65 - Chemicals known to cause cancer Sub Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance Prop 65 - Developmental to	ngs) Substance is not listed. bstance is not listed. bot listed. nce is not listed. re is not listed. by technically qualified individuals. gulations Jung to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. cle 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the plathorisation for use) Substance is not listed.
information to ensure proper use and protect the he conformance with this Material Safety Data Sheet, c	pplement to other information gathered by them, and should make independent judgement of suitability of this salth and safety of employees. This information is furnished without warranty, and any use of the product not in or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Depar Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemicau HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canad LCS0: Lethal concentration, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	al Society) ida)