



	Reviewed on 04/07/2008
1 Identification	
Product identifier	
Product name: <u>3-lodobenzaldehyde</u>	
Stock number: L17447 CAS Number:	
696-41-3 Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
Details of the supplier of the safety data sheet Manufacturer/Supplier:	
Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street	
Ward Hill, MA 01835-8099	
Tel: 800-343-0660 Fax: 800-322-4757	
Email: tech@alfa.com www.alfa.com	
Information Department: Health, Safety and Environmental Department	
Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (860	6) 928-0789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS07	
\checkmark	
Skin Irrit. 2 H315 Causes skin irritation. Eve Irrit. 2A H319 Causes serious eve irritation.	
EVE Int. 2A H319 Causes serious eye initiation. STOT SE 3 H335 May cause respiratory irritation. Hazards not otherwise classified No information known.	
Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
\wedge	
GHS07	
Signal word Warning Hazard statements	
H315 Causes skin irritation.	
H319 Causes serious eye irritation. H335 May cause respiratory irritation.	
Precautionary statementś P261 Avoid breathing dust/fume/gas/mist/vapours/spray.	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue P304+P340 IF INHALED; Remove person to fresh air and keep comfortable for breathing.	e rinsina.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P405 Store locked up.	, m.eg.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
WHMIS classification D2B - Toxic material causing other toxic effects	
$\widehat{\mathbf{T}}$	
Classification system	
Classification system HMIS ratings (scale 0-4) (IMIS ratings (scale 0-4)	
(Hazardouš Materials Identification System)	
HEALTH I Health (acute effects) = 1 FIRE I Flammability = 1 REACTIVY I Physical Hazard = 1	
Reactivity [] Physical Hazard = 1 Other hazards	
Results of PBT and vPvB assessment	
PBT: Not applicable. vPvB: Not applicable.	
3 Composition/information on ingredients	
Chemical characterization: Substances	
CAS# Description: 696-41-3 3-lodobenzaldehyde	
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 immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.	
After swallowing Seek medical treatment.	(Control on page 2)
	(Contd. on page 2) USA

Product name: 3-lodobenzaldehyde (Contd. of page 1) Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. 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 Hydrogen iodide (HI) 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: 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 Precautions for safe handling Handle under dry protective gas. 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. Store away from air. Store in the dark. Further information about storage conditions: Store under dry inert gas. This product is air sensitive. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from exposure to light. 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** 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 The periods gloves of the prior to each use for their proper condition. 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. **Penetration_time_of_glove material (in minutes)** Not determined Eye protection: Safety glasses Body protection: Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Crystalline powder Off-white Color: Not determined Odor: Odor threshold: Not determined pH-value: Not applicable. Change in condition Melting point/Melting range: Boiling point/Boiling range: 55-57 °C (131-135 °F) 124-125 °C (255-257 °F) (13 mmHg) (Contd. on page 3)

Product name: 3-lodobenzaldehvde

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oduct name: 3-lodobenzaldehyde		
		(Contd. of page
Sublimation temperature / start:	Not determined	
Flash point:	Not applicable	
	Not determined. Not determined	
Decomposition temperature:	Not determined	
0 0	Not determined.	
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.	
Lower:	Not determined	
	Not determined Not applicable.	
Density:	Not de termined	
	Not determined. Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water):		
Viscosity:		
	Not applicable. Not applicable.	
	No further relevant information available.	
Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under recomm Thermal decomposition / conditions to	ended storage conditions. • be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions No c	dangerous reactions known	
Conditions to avoid No further relevant i Incompatible materials:	nformation available.	
Air		
Oxidizing agents Light		
Hazardous decomposition products:		
Carbon monoxide and carbon dioxide		
Hydrogen iodide (HI)		
Toxicological information		
Information on toxicological effects		
Acute toxicity: No effects known.		
LD/LC50 values that are relevant for cla Skin irritation or corrosion: Causes skir		
Eye irritation or corrosion: Causes serie	ous eye irritation.	
Sensitization: No sensitizing effects know Germ cell mutagenicity: No effects know	VN.	
Carcinogenicity: No classification data o	n carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Reproductive toxicity: No effects known	representation and a figure known	
Specific target organ system toxicity -	repeated exposure: No effects known. single exposure: May cause respiratory irritation.	
Aspiration hazard: No effects known.		
Subacute to chronic toxicity: No effects Additional toxicological information: To	s known. o the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
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Breduct name: 2 ladobonzaldahyda	
Product name: 3-lodobenzaldehyde	
Proting angles	(Contd. of page 3)
Packing group DOT, IMDG, IATA	None
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78	8 and the IBC Code Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
DOT Marina Pollutant (DOT):	A1-
Marine Pollutant (DOT):	No
15 Regulatory information Safety, health and environmental regulations/legislation of GHS label elements The product is classified and labeled in Hazard pictograms GHS07 Signal word Warning	specific for the substance or mixture accordance with 29 CFR 1910 (OSHA HCS)
P304+P340 IF INHALED: Remove person to fresh air store locked up. P405 Store locked up. P501 Dispose of contents/container in accordar National regulations This product is not listed in the U.S. Environmental Protection to research and development only. This product must be use product must not be used for commercial purposes or in form SARA Section 313 (specific toxic chemical listings) Substalifornia Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Develop	ng/eyé protection/face protection. for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. r and keep comfortable for breathing. ance with local/regional/national/international regulations. on Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted ed by or directly under the supervision of a technically qualified individual as defined by TSCA. This mulations for commercial purposes. stance is not listed. bisted. listed. listed. listed. listed. hcally qualified individuals. Is he REACH Regulations (EC) No. 1907/2006. Substance is not listed. hd Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
16 Other information Employers should use this information only as a supplement information to ensure proper use and protect the health and s conformance with this Material Safety Data Sheet, or in comb Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Maritime Code for Dangerous Goods DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LCS0: Lethal concentration, 50 percent USD: Lethal concentration, 50 percent USD: Lethal does, 50 percent VPVB: 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) NTP: National Toxicology Program (USA)	t to other information gathered by them, and should make independent judgement of suitability of this I safety of employees. This information is furnished without warranty, and any use of the product not in abination with any other product or process, is the responsibility of the user.

IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)