



Product name: 4-n-Butoxybenzaldehyde (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 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:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 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. 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. **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 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 n Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. 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: Liquid Color: Colorless Odor: Not determined Odor threshold: Not determined. pH-value: Not determined. Change in condition Melting point/Melting range: Boiling point/Boiling range: Not determined 284-286 °C (543-547 °F) Sublimation temperature / start: Not determined

(Contd. on page 3)

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Elach point:	< 110 °C (< 320 °E)	(Contd. of page 2
Flash point: Flammability (solid, gaseous)	> 110 °C (> 230 °F) Not determined.	
Ignition temperature: Decomposition temperature:	Not determined Not determined	
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 determined	
Vapor pressure: Density at 20 °C (68 °F): Relative density	1.031 g/cm³ (8.604 lbs/gal)	
Vapor density	Not determined. Not determined.	
Evaporation rate Solubility in / Miscibility with	Not determined.	
Water: Not determined Partition coefficient (n-octanol/water): Not determined.		
Viscosity: dynamic:	Not determined.	
kinematic:	Not determined.	
Other information	No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under recon Thermal decomposition / conditions	nmended storage conditions. to be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions N Conditions to avoid No further releval	lo dangerous reactions known	
Incompatible materials:		
Air Oxidizing agents		
Hazardous decomposition products	: Carbon monoxide and carbon dioxide	
11 Toxicological information		
Information on toxicological effects		
Acute toxicity: No effects known. LD/LC50 values that are relevant for	classification: No data	
Skin irritation or corrosion: Causes skin irritation.		
Eye irritation or corrosion: Causes so Sensitization: No sensitizing effects ki	nown.	
Germ cell mutagenicity: No effects kr	nown. a on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGI	н
Reproductive foxicity: No effects kno	wn.	
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 effe		
Additional toxicological information	To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
12 Ecological information		
Toxicity		
Aquatic toxicity: No further relevant in Persistence and degradability No fur	nformation available.	
Bioaccumulative potential No further	relevant information available.	
Mobility in soil No further relevant info Additional ecological information:	ormation available.	
General notes:	the environment without proper governmental permits.	
Do not allow undiluted product or large	quantities to reach ground water, water course or sewage system.	
Avoid transfer into the environment. Results of PBT and vPvB assessme	nt	
PBT: Not applicable. vPvB: Not applicable.		
Other adverse effects No further relev	/ant information available.	
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state, local Uncleaned packagings:	or national regulations to ensure proper disposal.	
Recommendation: Disposal must be r	made according to official regulations.	
14 Transport information		
Not a hazardous material for transporta	ation.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA		
	None	
Transport hazard class(es) DOT, ADR, IMDG, IATA		
Class	None	
Packing group DOT, IMDG, IATA	Nere	
DOT, IMDG, IATA Environmental hazards:	None Not applicable.	
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