



Reviewed on 09/07	/2010
1 Identification	
Product identifier Product name: 4-Hydroxy-2-methoxybenzaldehyde	
Stock number: A11127, L08907	
CAS Number: 18278-34-7	
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 (866) 928-0789.	
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS07	
Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation.	
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	
GHS07	
Signal word Warning	
Hazard statements H315 Causes skin irritation.	
H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements	
Precautionary statements 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 rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P304+F340 IF INFIALED. Remove person to resh an and keep connorable for breathing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
WHMIS classification D2B - Toxic material causing other toxic effects	
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Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH Health (acute effects) = 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:	
18278-34-7 4-Hydroxy-2-methoxybenzaldehyde	
4 First-aid measures	
Description of first aid measures After inhalation Supply fresh are if required provide artificial respiration. Keep patient warm	
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact	
After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.	
After swallowing Seek medical treatment.	
(Contd. on p	bage 2) USA –

Product name: 4-Hydroxy-2-methoxybenzaldehyde (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: 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 Precautions for safe nanoung 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. Conditions of 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 present. Protection of hands: 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. 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: Powder Not determined Odor: Odor threshold: Not determined pH-value: Not applicable Change in condition 157-159 °C (315-318 °F) Not determined Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Not determined Flash point: Not applicable Flammability (solid, gaseous) Not determined. Ignition temperature: Decomposition temperature: Not determined Not determined Auto igniting: Not determined Danger of explosion: Product does not present an explosion hazard.

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Product name: 4-Hvdroxv-2-methoxvbenzaldehvde

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Product name: 4-Hydroxy-2-methoxy	/benzaldehyde	
		(Contd. of page 2)
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	Not determined Not determined Not applicable. Not determined Not determined. Not applicable. Not applicable. Not determined Not determined. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.	
10 Stability and reactivity		
Reactivity No information known. Chemical stability Stable under recomm	o be avoided: Decomposition will not occur if used and stored according to specifications. dangerous reactions known information available. ts	
11 Toxicological information		
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 effect	in irritation. ious eye irritation. wm. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. • repeated exposure: No effects known. • single exposure: May cause respiratory irritation.	
12 Ecological information		
12 Ecological information Toxicity Aquatic toxicity: No further relevant infor Persistence and degradability No furthe Bioaccumulative potential No further re Mobility in soil No further relevant inforn Additional ecological information: General notes: Do not allow material to be released to th Do not allow undiluted product or large q Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva	er relevant information available. elevant information available. nation available. ne environment without proper governmental permits. uantities to reach ground water, water course or sewage system.	
13 Disposal considerations		
Waste treatment methods Recommendation Consult state, local o Uncleaned packagings: Recommendation: Disposal must be ma	r national regulations to ensure proper disposal. ade according to official regulations.	
14 Transport information Not a hazardous material for transportati	on.	
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	None	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex Transport/Additional information:	II of MARPOL73/78 and the IBC Code Not applicable. Not dangerous according to the above specifications.	
DOT		
Marine Pollutant (DOT):	No	1154

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15 Regulatory information Softay, head prior main and product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Head of pictograms Weight of the softage of th	(Contd. of page 3)
Suffex, health and environmental regulations/legislation specific for the substance or mixture GMS label elements The product is classified and labeled in accordance with 25 CFR 1910 (OSHAHCS) Heard pictograms GMS label elements The product is classified and labeled in accordance with 25 CFR 1910 (OSHAHCS) Heard pictograms GMS labeled in accordance with 25 CFR 1910 (OSHAHCS) GMS labeled in accordance with 26 CFR 1910 (OSHAHCS) Heard pictograms Heard Scales service s	15 Regulatory information
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