Safety Data Sheet



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1 HerthCatlon Product hame: Methyl 3-xxx-3,4-dihydro-2H-1,4-benzothiazine-6-carboxylate Product hame: Methyl 3-xxx-3,4-dihydro-2H-1,4-benzothiazine-6-carboxylate Stock number: Methyl 3-xxx-3,4-dihydro-2H-1,4-benzothiazine-6-carboxylate Charlen and there is 1024 South is search and development Methyd field case of the substance or mixture and uses advised against. Methyd field case of the substance or mixture and uses advised against. Methyd field case of the substance or mixture is accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordance with 29 CFR 1910 (CSHA HCS) Offer case of the substance or mixture in accordanc	Revision	date 03/30/2016
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Hazard statements H315 Causes skin irritation. H315 Cause skin irritation. H316 Cause skin irritation. H316 Cause skin irritation. H316 Cause skin irritatio	GHS07	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Image: Health (acute effects) = 1 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 188614-01-9 Methyl 3-oxo-3, 4-dihydro-2H-1, 4-benzothiazine-6-carboxylate 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 symalowing Seek medical treative.	Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H335 May cause respiratory irritation. Precautionary statements 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 victim to fresh air and keep at rest in a position comfortable for breathing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification WHMIS classification	
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After swallowing Seek medical treatment.	Seek immédiate medical advice.	
	After swallowing Seek medical treatment.	(Contd. on page 2) USA

Safety Data Sheet acc. to OSHA HCS

Product name: Methyl 3-oxo-3,4-dihydro-2H-1,4-benzothiazine-6-carboxylate (Contd. of page 1) Information for doctor Most important symptoms and effects, both acute and delayed Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. 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
Sulfur oxides (SOX)
Nitrogen oxides (NOX)
Advice for firefighters
Protective equipment:
Wear self-contained respirator.
Wear fully protective impervious suit. Extinguishing media 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Ensure adequate ventilation Environmental precautions: Do not allow product to reach sewage system or any water course. 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 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: Store in freezer (-20 °C). Information about storage in one common storage facility: Protect from heat. Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. 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: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. 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 solied 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. Recommended filter device for short term use: Use a respirator with type N95 (USA) or PE (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Protection of hands: Impervious gloves Impervious gloves 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: Solid Odor: Not determined Odor threshold: Not determined

pH-value: Not applicable. Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: 97-99 °C (207-210 °F) Not determined Not determined Flammability (solid, gaseous) Not determined (Contd. on page 3)



Product name: Methyl 3-oxo-3,4-dihydro-2H-1,4-benzothiazine-6-carboxylate

		(Contd. of page 2)
Ignition temperature:	Not determined	
Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion: Explosion limits:	Not determined.	
Lower: Upper:	Not determined Not determined	
Vapor pressure: Density:	Not applicable. Not determined	
Relative density	Not determined.	
Vapor density Evaporation rate	Not applicable. Not applicable.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water) Viscosity:		
dynamic: kinematic: Other information	Not applicable. Not applicable. No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known. Chemical stability Stable under recom Thermal decomposition / conditions Possibility of hazardous reactions Re Conditions to avoid No further relevan Incompatible materials: Oxidizing agents Heat Hazardous decomposition products: Carbon monoxide and carbon dioxide Sulfur oxides (SOx) Nitrogen oxides	mended storage conditions. to be avoided: Decomposition will not occur if used and stored according to specifications. acts with strong oxidizing agents t information available.	
11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for Skin irritation or corrosion: Causes se Eye irritation or corrosion: Causes se Sensitization: No sensitizing effects kn Germ cell mutagenicity: No effects kn	kin irritation. rious eye irritation. own.	
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 effect Additional toxicological information: Carcinogenic categories	on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. vn. - repeated exposure: No effects known. - single exposure: May cause respiratory irritation. ts known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
	Ith Administration) Substance is not listed.	
Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.	her relevant information available. elevant information available. mation available. quantities to reach ground water, water course or sewage system. t	
Other adverse effects No further relev	ant information available.	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local Uncleaned packagings: Recommendation: Disposal must be n	or national regulations to ensure proper disposal. nade according to official regulations.	
14 Transport information		
UN-Number DOT, ADN, IMDG, IATA	Not applicable	
UN proper shipping name DOT, ADN, IMDG, IATA		
DOT, ADN, IMDG, IATA Transport hazard class(es)	Not applicable	
DOT, ADR, ADN, IMDG, IATA		
Class Packing group	Not applicable	
Packing group DOT, IMDG, IATA	Not applicable	
Environmental hazards:	Not applicable.	(Contd on page 4)
		(Contd. on page 4

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