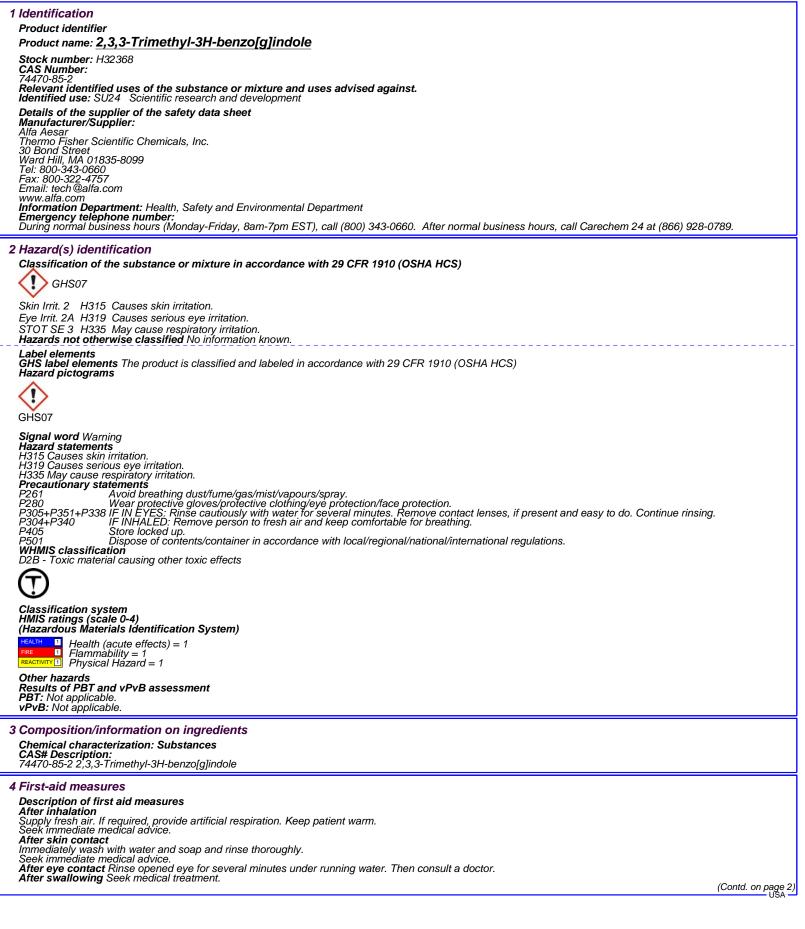


Safety Data Sheet per OSHA HazCom 2012



## Product name: 2,3,3-Trimethyl-3H-benzo[g]indole (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 Nitrogen oxides (NOx) Possibly Hydrogen cyanide (HCN) 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 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. 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 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: Crvstalline Color: Orange 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: 70-71 °C (158-160 °F) Not determined Not determined Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Not determined Not determined Not determined Auto igniting: Not determined (Contd. on page 3)

## Product name: 2,3,3-Trimethyl-3H-benzo[g]indole

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Product name: 2,3,3-Trimethyl-3H-be	enzo[g]indole	
		(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:	Product does not present an explosion hazard. Not determined Not determined Not determined Not determined Not determined. Not applicable. Not determined 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 Thermal decomposition / conditions to Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing agen Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Possibly Hydrogen cyanide (HCN)	information available.	
Reproductive toxicity: No effects known 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. • <b>repeated exposure:</b> No effects known. • <b>single exposure:</b> May cause respiratory irritation.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No furth Bioaccumulative potential No further re Mobility in soil No further relevant 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 relevant	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 transportation UN-Number	on.	
DOT, IMDG, IATA UN proper shipping name	None	
DOŤ, IMDG, IÁŤA 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.	
	II of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
		(Contd. on page 4)

oduct name: 2,3,3-Trimethyl-3H-benzo[g]indole (Contd. of page		
DOT		
Marine Pollutant (DOT):	No	
Regulatory information		
Safety, health and environmental regulations/leg	gislation specific for the substance or mixture labeled in accordance with 29 CFR 1910 (OSHA HCS)	
()		
GHS07		
Signal word Warning   Hazard statements   H315 Causes skin irritation.   H319 Causes serious eye irritation.   H335 May cause respiratory irritation.   Precautionary statements   P261 Avoid breathing dust/fume/gas/r   P280 Wear protective gloves/protectiv   P305+P351+P338 IF IN EYES: Rinse cautiously wi   P304+P340 IF INHALED: Remove person to   P405 Store locked up.	mist/vapours/spray. ve clothing/eye protection/face protection. ith water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. o fresh air and keep comfortable for breathing.	
P501 Dispose of contents/container in	n accordance with local/regional/national/international regulations.	
to research and development only. This product mu product must not be used for commercial purposes SARA Section 313 (specific toxic chemical listin California Proposition 65	ngs) Substance is not listed.	
Prop 65 - Chemicals known to cause cancer Suk Prop 65 - Developmental toxicity Substance is no Prop 65 - Developmental toxicity, female Substanc Prop 65 - Developmental toxicity, male Substanc Information about limitation of use: For use only Other regulations, limitations and prohibitive re	ince is not listed. ce is not listed. - by technically qualified individuals	
ne conditions of restrictions according to Artic narket and use must be observed. Substance is not listed.	gulations ding 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 t a Authorisation for use). Substance is not listed.	
Annex XIV of the REACH Regulations (requiring Chemical safety assessment: A Chemical Safety	Assessment has not been carried out.	
<b>Other information</b> Employers should use this information only as a sup information to ensure proper use and protect the he conformance with this Material Safety Data Sheet, o	pplement to other information gathered by them, and should make independent judgement of suitability of this ealth and safety of employees. This information is furnished without warranty, and any use of the product not i or in combination with any other product or process, is the responsibility of the user.	
Department issuing SDS: Global Marketing Department issuing / last revision 11/24/2015 / -	rtment	
RD: Règlement international concernant le transport des marchand ATA-DGR: Dangerous Goods Regulations by the "International Air CAO: International Civil Aviation Organization	lises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) Transport Association" (IATA) Drganization" (ICAO)	
CAO-11: Technical Instructions by the "International Civil Aviation O MDG: International Maritime Code for Dangerous Goods OT: US Department of Transportation ATA: International Air Transport Association AS: Chemical Abstracts Service (division of the American Chemica AMIS: Hazardous Materials Identification System (USA) VHMIS: Workplace Hazardous Materials Information System (Cana C50: Lethal cose. 50 percent D50: Lethal cose. 50 percent	al Society) ada)	
1950: Letital dose, 50 per control por control PvB: very Persistent and very Bioaccumulative (CGH: American Conference of Governmental Industrial Hygienists SHA: Occupational Safety and Health Administration (USA) 11P: National Toxicology Program (USA) ARC: International Agency for Research on Cancer PA: Environmental Protection Agency (USA)		
ARC: International Agency for Research on Cancer		