



Flash point:

Not applicable

Product name: 1-lodo-2,4-dinitrobenzene (Contd. of page 1) 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) Hydrogen iodide (HI) Iodine (12) 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 Recounting 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. Store away from strong bases. Store in the dark. Further information about storage conditions: 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 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 solied and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eves and skin 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. Eye protection: Safety glasses Bady protection: Protective work clothing **Body protection:** Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Color: Powder Yellow Odor: Not determined Odor threshold: Not determined Not applicable. pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: 87-90 °C (189-194 °F) Not determined Not determined

(Contd. on page 3)

Product name: 1-lodo-2,4-dinitrobenzene

Product name: 1-lodo-2,4-dinitrobenzene		
		(Contd. of page 2)
Flammability (solid, gaseous) Ignition temperature:	Not determined. Not determined	
Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion.	Product does not present an explosion hazard.	
Explosion limits: Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not applicable.	
Density: Relative density	Not determined Not determined.	
Vapor density Evaporation rate	Not applicable. Not applicable.	
Solubility in / Miscibility with Water:	Insoluble	
Partition coefficient (n-octanol/water) Viscosity:		
dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Bases Light Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen iodide (HI) Possibly Hydrogen cyanide (HCN) Iodine (I2)		
 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 serious eye irritation. Sensitization: May cause an allergic skin reaction. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Subacute to chronic toxicity: No effects known. 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 information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow material to be released to the environment without proper governmental permits.		
Avoid transfer into the environment. Results of PBT and vPvB assessmen PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva	nt	
13 Disposal considerations Waste treatment methods	or national regulations to ensure proper disposal.	
14 Transport information Not a hazardous material for transportat	tion.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es) DOT, ADR, IMDG, IATA		
Class	None	
		(Contd. on page 4)

Reviewed on 04/07/2010		
Product name: 1-lodo-2,4-dinitrobenzene		
(Contd. of page 3)		
None		
Not applicable.		
Not applicable.		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.		
Not dangerous according to the above specifications.		
No		
ubstance or mixture 29 CFR 1910 (OSHA HCS) 5. Remove contact lenses, if present and easy to do. Continue rinsing. Ibstances Control Act Chemical Substance Inventory. Use of this product is restricted der the supervision of a technically qualified individual as defined by TSCA. This tercial purposes. viduals. tions (EC) No. 1907/2006. Substance is not listed. he Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the		
ibstance is not listed. carried out.		
16 Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: RID: Regement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: Thi: Technical Instructions by the "International Civil Aviation Organization" (ICAO) Multisto Organization IMD: Regulational Air Transport Association IATA: International Air Transport Association		