



Safety Data Sheet per OSHA HazCom 2012

Product name: 2,3-Difluoro-6-nitrophenol

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After swallowing Seek medical treatmen Information for doctor Most important symptoms and effects,	several minutes under running water. Then consult a doctor.	(Contd. of page 1)	
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon of Special hazards arising from the subsi If this product is involved in a fire, the foll Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) Nitrogen oxides (NOx) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. tance or mixture owing can be released:		
6 Accidental release measures Personal precautions, protective equip Wear protective equipment. Keep unprote Ensure adequate ventilation Environmental precautions: Do not allo Methods and material for containment Dispose of contaminated material as was Ensure adequate ventilation. Prevention of secondary hazards: No s Reference to other sections See Section 7 for information on safe har See Section 8 for information on persona See Section 13 for disposal information.	ected persons away. The second persons away. The proper governmental permits. The and cleaning up: Ste according to section 13. Special measures required. Indling		
Conditions for safe storage, including Storage Requirements to be met by storeroom	explosions and fires: No information known. any incompatibilities s and receptacles: No special requirements. mon storage facility: Store away from oxidizing agents. Iditions: d containers.		
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 solied and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and at the end of work. 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. Protection of suitable gloves not only depends on the material, but also on quality. Protection: Safety glasses Body protection: Protective y glasses Body protection: Protective, plasses			
9 Physical and chemical properties			
Color: Odor: Odor threshold:	Crystalline powder Pale yellow Not determined Not determined.		
pH-value:	Not applicable.	(Contd. on page 3)	
		USA	

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Product name: 2,3-Difluoro-6-nitroph	henol	
		(Contd. of page 2)
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	60-62 °C (140-144 °F) Not determined Not determined	
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	Not applicable Not determined. Not determined Not determined Not determined.	
Danger of explosion: Explosion limits: Lower:	Product does not present an explosion hazard. Not determined	
Upper: Vapor pressure: Density:	Not determined Not applicable. Not determined	
Relative density Vapor density Evaporation rate Solubility in / Miscibility with	Not determined. Not applicable. Not applicable.	
Water: 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 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 Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride Nitrogen oxides		
 11 Toxicological information Information on toxicological effects Acute toxicity: Harmful if swallowed. 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: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Germ cell mutagenicity: No effects known. Sensitization data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. 		
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 inforr Additional ecological information: General notes: Do not allow material to be released to th Do not allow undiluted product or large q	ner relevant information available. elevant information available.	
Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva.		
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.		
14 Transport information Not a hazardous material for transportation	ion.	
UN-Number DOT, IMDG, IATA UN proper shipping name	None	
UN proper shipping name DOT, IMDG, IATA	None	(Contd. on page 4)
		USA

Product name: 2 3-Ditlijoro-6-nitronhonol	
Product name: 2,3-Difluoro-6-nitrophenol	(Contd. of page 3
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 II of MARPOL73/78 and the IBC Co	
Transport/Additional information:	Not dangerous according to the above specifications.
DOT Marine Pollutant (DOT):	No
15 Regulatory information Safety, health and environmental regulations/legislation specific for the s GHS label elements The product is classified and labeled in accordance with Hazard pictograms	substance or mixture 129 CFR 1910 (OSHA HCS)
to research and development only. This product must be used by or directly up product must not be used for commercial purposes or in formulations for comi SARA Section 313 (specific toxic chemical listings) Substance is not listed California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified inco Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regula The conditions of restrictions according to Article 67 and Annex XVII of the market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) S Chemical safety assessment: A Chemical Safety Assessment has not been	doctór/ es. Remove contact lenses, if present and easy to do. Continue rinsing. gional/national/international regulations. Substances Control Act Chemical Substance Inventory. Use of this product is restricte inder the supervision of a technically qualified individual as defined by TSCA. This mercial purposes. d. dividuals. dividuals. fations (EC) No. 1907/2006. Substance is not listed. the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the Substance is not listed.
	tion gathered by them, and should make independent judgement of suitability of this ees. This information is furnished without warranty, and any use of the product not in other product or process, is the responsibility of the user.