



Product name: 2-Nitrobenzenesulfonamide (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 Sulfur oxides (SOx) Nitrogen oxides (NOx) 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 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. 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: 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 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 aves and exin. 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 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: Crystalline powder Cream to pale yellow Not determined Color: Odor: Odor threshold: Not determined Not applicable. pH-value: Change in condition Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: 188-194 °C (370-381 °F) Not determined Not determined Not determined. Not determined Not determined (Contd. on page 3)

Product name: 2-Nitrobenzenesulfonamide

Page 3/4 Printing date 11/23/2015 Reviewed on 07/15/2014

Product name: 2-Nitrobenzenesul	Ifonamide	
		(Contd. of page 2
Auto igniting:	Not determined.	
Danger of explosion:	Not determined.	
Explosion limits: Lower:	Not determined	
Upper:	Not determined	
Vapor pressure: Density:	Not applicable. Not determined	
Relative density	Not determined.	
Vapor density	Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water:	Not determined	
Partition coefficient (n-octanol/wat Viscosity:		
dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
O Stability and reactivity		
Reactivity No information known. Chemical stability Stable under reco	commanded storage conditions	
Thermal decomposition / condition	commended storage conditions. ons to be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions Conditions to avoid No further relev	s Reacts with strong oxidizing agents	
Incompatible materials: Oxidizing a	agents	
Hazardous decomposition product	its:	
Sultur oxides (SOx)	e	
Nitrogen oxides		
11 Toxicological information		
Information on toxicological effect Acute toxicity: No effects known.	ts	
Acute toxicity: No effects known. LD/LC50 values that are relevant for	for - localitantian. No data	
LD/LC50 values that are relevant to Skin irritation or corrosion: Causes	or classification: No data ekin irritation	
Eye irritation or corrosion: Causes	s serious eye irritation.	
Sensitization: No sensitizing effects	sknown	
Germ cell mutagenicity: No enecis Cercinogenicity: No classification c	s known. data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Reproductive toxicity: No effects kr	KNOWN.	
Specific target organ system toxic	city - repeated exposure : No effects known. city - single exposure : May cause respiratory irritation.	
Aspiration hazard: No effects knowl	vn.	
Subacute to chronic toxicity: No ef	effects known.	
-	on: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
12 Ecological information		
Toxicity	er for for some affanse same til a bela	
Aquatic toxicity: No further relevant Persistence and degradability No f	further relevant information available.	
Bioaccumulative potential No furth	her relevant information available.	
Mobility in soil No further relevant in Additional ecological information:	information available.	
General notes:	-	
Do not allow undiluted product or lar	rge quantities to reach ground water, water course or sewage system.	
Avoid transfer into the environment. Results of PBT and vPvB assessm	nont	
PBT: Not applicable.	lent.	
vPvB: Not applicable. Other adverse effects No further rel	evant information available.	
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state, loc	cal or national regulations to ensure proper disposal.	
Uncleaned packagings:		
	be made according to official regulations.	
14 Transport information		
UN-Number DOT, ADN, IMDG, IATA	Not applicable	
UN proper shipping name		
DOT, ADN, IMDG, IATA Transport hazard class(es)	Not applicable	
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA		
DOT, ADR, ADN, IMDG, IATA Class	Not applicable	
Packing group DOT, IMDG, IATA		
DOT, IMDG, IATA Environmental hazards:	Not applicable Not applicable	
Environmental hazards: Special precautions for user	Not applicable. Not applicable.	
	nnex II of MARPOL73/78 and the IBC Code Not applicable.	
		(Contd. on page

Safety Data Sheet per OSHA HazCom 2012

Page 4/4 Printing date 11/23/2015 Reviewed on 07/15/2014

	Neviewed 01/07/0/2014	
Product name: 2-Nitrobenzenesulfonamide		
	(Contd. of page 3)	
Transport/Additional information:		
DOT Marine Pollutant (DOT):	No	
UN "Model Regulation":	-	
	ons/legislation specific for the substance or mixture d and 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 P280 Wear protective gloves/pro	/gas/mist/vapours/spray. otective clothing/eye protection/face protection.	
P305+P351+P338 IF IN EYES: Rinše cautiou P304+P340 IF INHALED: Remove per- P405 Store locked up. P501 Dispose of contents/conta. National regulations This product is not listed in the U.S. Environm to research and development only. This produ product must not be used for commercial purp This product is not listed on the Canadian Do SARA Section 313 (specific toxic chemical California Proposition 65	usly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. son to fresh air and keep comfortable for breathing. iner in accordance with local/regional/national/international regulations. mental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted uct must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This poses or in formulations for commercial purposes. mestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). I listings) Substance is not listed.	
Prop 65 - Chemicals known to cause cancer Prop 65 - Developmental toxicity Substance Prop 65 - Developmental toxicity, female S Prop 65 - Developmental toxicity, male Sub Information about limitation of use: For use Other regulations, limitations and prohibit Substance of Very High Concern (SVHC) a The conditions of restrictions according to market and use must be observed. Substance is not listed.	e is not listed. Substance is not listed. bstance is not listed. e only by technically gualified individuals.	
Chemical safety assessment: A Chemical S 16 Other information Employers should use this information only as information to ensure proper use and protect	Safety Assessment has not been carried out. s a supplement to other information gathered by them, and should make independent judgement of suitability of this the health and safety of employees. This information is furnished without warranty, and any use of the product not in theet, or in combination with any other product or process, is the responsibility of the user.	
Department issuing SDS: Global Marketing Date of preparation / last revision 11/23/20	Department)15 / - langereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) Chemical Society) m (Canada)	

NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)