





# Pre

	Reviewed on 01/24/2007
Product name: 2,6-Dinitroaniline	
	(Contd. of page 1)
4 First-aid measures	
Description of first aid measures General information	
Immediately remove any clothing soiled by the product.	
Remove breathing apparatus only after contaminated clothing has been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.	
After inhalation Supply fresh air. If required, provide artificial respiration, Keep patient warm,	
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 eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Do not induce vomiting; immediately call for medical help.	
Information for doctor	
Most important symptoms and effects, both acute and delayed Methemoglobinemia 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)	
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:	
Dispose of contaminated material as waste according to section 13	
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.	
Open and handle container with care. <b>Information about protection against explosions and fires:</b> 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: 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 minu	fe
Control parameters	.0.
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.	
Rep away non-noousians, beverages and need. Remove all solid and contaminated clothing immediately. Wash hands before breaks and at the end of work.	
Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.	
Maintain an ergonomically appropriate working environment.	
Breathing equipment: Use self-contained respiratory protective device in emergency situations. 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 guality. Quality will vary from manufacturer to manufacturer.	
Eye protection: Safety glasses Body protection: Protective work clothing.	
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## Product name: 2,6-Dinitroaniline

Product name: 2,6-Dinitroaniline	
	(Contd. of page 2
9 Physical and chemical propertie	S
Information on basic physical and cl General Information Appearance: Form:	nemical properties
Color:	Gold colored
Odor: Odor threshold:	Not determined Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	134 °C (273 °F) (dec) Not determined Not determined
Flash point:	Not applicable
Flammability (solid, gaseous)	Not determined.
Ignition temperature: Decomposition temperature:	Not determined Not determined
Auto igniting:	Not determined.
Danger of explosion: Explosion limits: Lower:	Product does not present an explosion hazard. Not determined
Upper:	Not determined
Vapor pressure:	Not applicable. Not determined
Density: Relative densitv	Not determined.
Vapor density	Not applicable.
Evaporation rate Solubility in / Miscibility with	Not applicable.
Water: Partition coefficient (n-octanol/water	Insoluble ): Not determined.
Viscosity: dynamic:	Not applicable.
kinematic:	Not applicable.
Other information	No further relevant information available.
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recon Thermal decomposition / conditions Possibility of hazardous reactions N Conditions to avoid No further relevan Incompatible materials: Oxidizing age Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides	nt information available. ents
11 Toxicological information	
LD/LC50 values that are relevant for Skin irritation or corrosion: Irritant to Eye irritation or corrosion: Irritating e Sensitization: No sensitizing effects kin Germ cell mutagenicity: No effects kr Carcinogenicity: No classification date Reproductive toxicity: No effects kno Specific target organ system toxicity	skin and mucous membranes. ffect. nown. nown. a on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. wn. <i>- repeated exposure:</i>
Specific target organ system toxicity Aspiration hazard: No effects known.	od and the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, Inhalative. <b>- single exposure:</b> No effects known.
Other information (about experiment Subacute to chronic toxicity:	al toxicology): Mutagenic effects have been observed on tests with bacteria.
Absorption into the body may lead to th death. Onset may be delayed 2-4 hour	e formation of methemoglobin, producing cyanosis, and marked fall in blood pressure leading to collapse, coma and possibly s or longer.

death. Onset may be delayed 2-4 hours or longer. The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance. 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: General notes: Do not allow product to reach ground water, water course or sewage system. Do not allow material to be released to the environment without proper governmental permits. Danger to drinking water if even small quantities leak into the ground. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.

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Other adverse effects No further relevant information available	е.
3 Disposal considerations Waste treatment methods	
Recommendation Consult state, local or national regulations to Uncleaned packagings: Recommendation: Disposal must be made according to officia	
Transport information	
UN-Number	
DOT, IMDG, IATA UN proper shipping name	UN1596
UN proper shipping name DOT IMDG, IATA	Dinitroanilines DINITROANILINES
Transport hazard class(es)	
DOT	
Taxa	
Class Label	6.1 Toxic substances. 6.1
Class	6.1 (T2) Toxic substances 6.1
Label IMDG, IATA	0.1
Class	6.1 Toxic substances.
Label Packing group	6.1
Packing group DOT, IMDG, IATA	II Noterna Cashla
Environmental hazards: Special precautions for user	Not applicable. Warning: Toxic substances
Transport in bulk according to Annex II of MARPOL73/78 al	
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
Marine Pollutant (DOT): UN "Model Regulation": Regulatory information	UN1596, Dinitroanilines, 6.1, II
Marine Pollutant (DOT): UN "Model Regulation": Regulatory information Safety, health and environmental regulations/legislation sp GHS label elements The product is classified and labeled in ac Hazard pictograms GHS06 GHS08	UN1596, Dinitroanilines, 6.1, Il
Marine Pollutant (DOT):         UN "Model Regulation":         Description         Safety, health and environmental regulations/legislation sp GHS label elements The product is classified and labeled in activation hazard pictograms         Image: Comparison of the product of	UN1596, Dinitroanilines, 6.1, II Decific for the substance or mixture ccordance with 29 CFR 1910 (OSHA HCS) inhaled. nd the endocrine system through prolonged or repeated exposure. Route of exposure: Oral,
Marine Pollutant (DOT):         UN "Model Regulation":         5 Regulatory information         Safety, health and environmental regulations/legislation sp GHS label elements The product is classified and labeled in ac Hazard pictograms         Image: Comparison of the transform of transform of the transform of tra	UN1596, Dinitroanilines, 6.1, II pecific for the substance or mixture ccordance with 29 CFR 1910 (OSHA HCS) inhaled. Ind the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, NTER/ doctor/
Marine Pollutant (DOT):         UN "Model Regulation": <b>Barine Pollutant (DOT):</b> UN "Model Regulation": <b>Frequisition: Safety, health and environmental regulations/legislation sp</b> <b>GHS label elements</b> The product is classified and labeled in activation and pictograms <b>Ward Data Ward Data GHS 06 GHS08 Signal word Danger Hazard statements</b> H300+H310+H330 Fatal if swallowed, in contact with skin or if in         H373       May cause damage to the liver, the blood at Inhalative. <b>Precautionary statements</b> P260       Do not breathe dust/fume/gas/mist/vapours/spray.         P301+P310 IF SWALLOWED: Immediately call a POISON CEI         P302       Specific treatment is urgent (see on this label).         P361       Take off immediately all contaminated clothing.         P405       Store locked up.         P501       Dispose of contents/container in accordance with letter is not listed in the U.S. Environmental Protection A to research and development only. This product must be used I product must not be used for commercial purposes or in formula SARA Section 313 (specific toxic chemical listings) Substational product must not be used for commercial purposes or in formula SARA Section 313 (specific toxic chemical listings) Substation and the substantion of the substantion of the substop of contenterical purposes or in formula SARA Section 313 (spec	UN1596, Dinitroanilines, 6.1, II pecific for the substance or mixture ccordance with 29 CFR 1910 (OSHA HCS) inhaled. nd the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, NTER/ doctor/ local/regional/national/international regulations. Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restric by or directly under the supervision of a technically qualified individual as defined by TSCA. This ations for commercial purposes.
Marine Pollutant (DOT):         UN "Model Regulation":         5         6         7         7         7         8         7         8         7         8         9         7         8         9	UN1596, Dinitroanilines, 6.1, II pecific for the substance or mixture ccordance with 29 CFR 1910 (OSHA HCS) inhaled. nd the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, NTER/ doctor/ local/regional/national/international regulations. Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restric by or directly under the supervision of a technically qualified individual as defined by TSCA. This ations for commercial purposes. nce is not listed. ot listed. sted. sted.
Marine Pollutant (DOT):         UN "Model Regulation":         5         6         7         7         7         8         7         8         7         8         9         7         8         9	UN1596, Dinitroanilines, 6.1, II pecific for the substance or mixture ccordance with 29 CFR 1910 (OSHA HCS) inhaled. nd the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, NTER/ doctor/ NTER/ doctor/ local/regional/national/international regulations. Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restrictions for commercial purposes. noe is not listed. ot listed. sted.

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USA

#### 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. conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the use Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport association ENTECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent VPW very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) MTP: National Toxicology Program (USA) MAR: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)