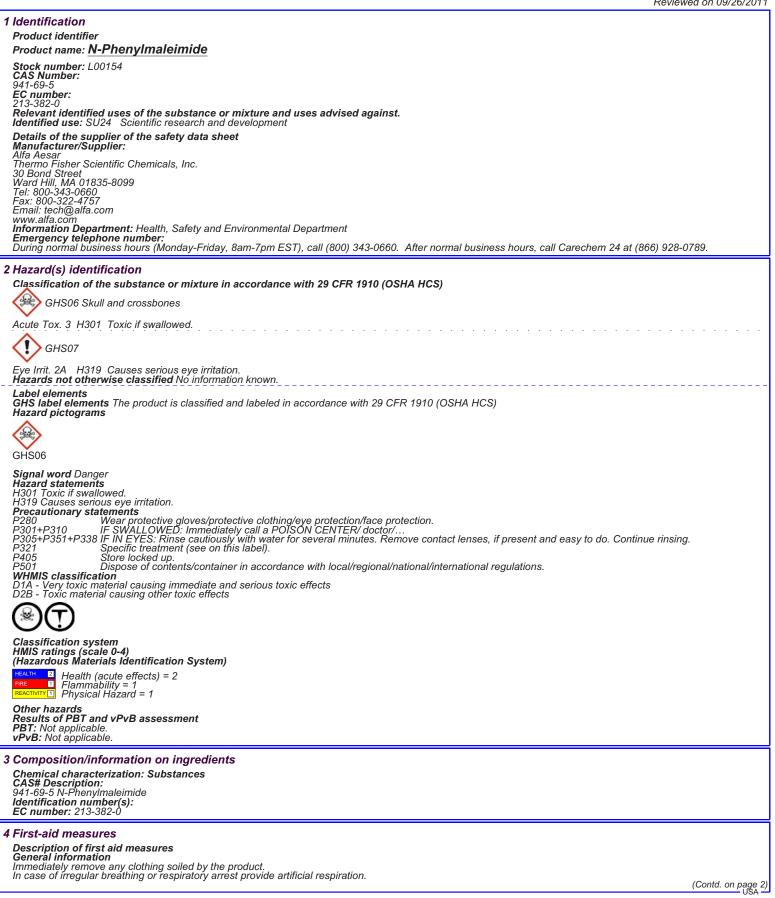


Safety Data Sheet per OSHA HazCom 2012



Product name: N-PhenyImaleimide

	Review	ved on 09/26/2011
Product name: N-Phenylmaleimide		
		(Contd. of page 1)
After inhalation Supply fresh air. If required, provide art	ificial respiration. Keep patient warm.	
Se'ek îmmediate medical advice. After skin contact		
Immediately wash with water and soap Seek immediate medical advice.	and rinse thoroughly.	
After eve contact Rinse opened eve to	or several minutes under running water. Then consult a doctor.	
After swallowing Do not induce vomiti Information for doctor	ng; immediately call for medical help.	
Most important symptoms and effect	ts, both acute and delayed No further relevant information available. attention and special treatment needed No further relevant information available.	
	attention and special a cathent needed no tarther 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:		
Special hazards arising from the sub If this product is involved in a fire, the fo	istance or mixture ollowing can be released:	
Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Advice for firefighters		
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	llow material to be released to the environment without proper governmental permits.	
Methods and material for containme	nt and cleaning up: Dispose of contaminated material as waste according to section 13.	
Prevention of secondary hazards: No special measures required. Reference to other sections		
See Section 7 for information on safe h See Section 8 for information on persor	andling nal protection equipment	
See Section 13 for disposal information	l.	
7 Handling and storage		
Handling		
Precautions for safe handling Keep container tightly sealed.		
Store in cool, dry place in tightly closed Ensure good ventilation at the workplace	containers.	
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.		
Specific end use(s) No further relevant	t information available.	
8 Exposure controls/personal prot	tection	
Additional information about design	of technical systems: I designed for bazardous, chamicals and baying an average face velocity of at least 100 feet per minute	
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	an quantues of materials with childar values that have to be monitored at the workplace.	
Exposure controls Personal protective equipment		
General protective and hygienic mea	sures	
The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed.		
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. 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 cloth		
9 Physical and chemical propertie		
Information on basic physical and cl General Information	iennical properties	
Appearance: Form:	Crystalline powder	
Color: Odor:	Yellow Not determined	
Odor threshold:	Not determined.	
pH-value:	Not applicable.	(Operated as a second
		(Contd. on page 3) USA

Product name: N-PhenyImaleimide

Page 3/4 Printing date 11/23/2015 Reviewed on 09/26/2011

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Product name: N-PhenyImaleimide		
	(Contd. of page 2)	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	87-91 °C (189-196 °F) 162-163 °C (324-325 °F) (12mm Hg) Not determined Not determined Not determined Not determined Not determined.	
Danger of explosion: 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: Other information 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	Not determined. Not determined Not applicable. Not determined Not determined. Not applicable. Not applicable. Not determined. Not determined. Not determined. Not determined. Not applicable. Not applicable. No further relevant information available.	
LD/LC50 values that are relevant for c Oral LD50 78 mg/kg (mouse) 58 mg/kg (rat)		
Reproductive foxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known.	ious eye irritation. wn. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. repeated exposure: No effects known.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No furth Bioaccumulative potential No further r Mobility in soil No further relevant inforn Additional ecological 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 releva	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 or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.		
14 Transport information		
UN-Number	11N2811	
DOT, IMDG, IATA UN proper shipping name DOT	UN2811	
IMDG, IATA	Toxic solids, organic, n.o.s. (N-Phenylmaleimide) TOXIC SOLID, ORGANIC, N.O.S. (N-Phenylmaleimide) (Contd. op.pogo.4)	
	(Contd. on page 4) USA	

Safety Data Sheet per OSHA HazCom 2012

	Reviewed on 09/26/201
Product name: N-Phenylmaleimide	
Transport hazard class(es)	(Contd. of page 3
DOT	
Taxe	
Class Label	6.1 Toxic substances. 6.1
Class Label IMDG, IATA	6.1 (T1) Toxic substances 6.1
Class Label	6.1 Toxic substances. 6.1
Packing group DOT, IMDG, IATA	<i>III</i>
Environmental hazards:	Not applicable.
Special precautions for user EMS Number:	Warning: Toxic substances F-A.S-A
Transport in bulk according to Annex II of MARPOL73/78 and the IB	
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	UN2811, Toxic solids, organic, n.o.s. (N-Phenylmaleimide), 6.1, III
P405 Store locked up. P501 Dispose of contents/container in accordance with loca National regulations All components of this product are listed in the U.S. Environmental Protect All components of this product are listed on the Canadian Non-Domestic SARA Section 313 (specific toxic chemical listings) Substance is not California Proposition 65 Prop 65 - Chemicals known to cause cancer 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 qualifie Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH R The conditions of restrictions according to Article 67 and Annex XV	ninutes. Remove contact lenses, if present and easy to do. Continue rinsing. al/regional/national/international regulations. ction Agency Toxic Substances Control Act Chemical substance Inventory. Substances List (NDSL).
market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for us Chemical safety assessment: A Chemical Safety Assessment has not i	se) Substance is not listed. been carried out.
16 Other information Employers should use this information only as a supplement to other info information to ensure proper use and protect the health and safety of em- conformance with this Material Safety Data Sheet, or in combination with Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: RID: Réglement international concernant le transport des marchandises dangereuses par chemin ICAO: International Civil Aviation Organization ADR: Accord européen sur le transport des marchandises dangereuses par chemin ICAO: International Civil Aviation Organization ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Ag IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent	