



1 Identification	
Product identifier	
Product name: 5-Bromo-1H-indazole	
Stock number: H54673 CAS Number:	
53857-57-1 Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
Identified use: SU24 Scientific research and development Details of the supplier of the safety data sheet	
Manufacturar/Cumplicar	
Alla Aesal Thermo Fisher Scientific Chemicals, Inc.	
Ward Hill, MA 01835-8099	
Manufacturer/Supplier: Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 Fax: 800-322-4757	
www.alfa.com	
Information Department: Health, Safety and Environmental Department Emergency telephone number:	
During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0	0789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS05 Corrosion	
Eye Dam. 1 H318 Causes serious eye damage.	
GHS07	
Acute Tox. 4 H302 Harmful if swallowed. Hazards not otherwise classified No information known.	
Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
$\wedge$	
GHS05 GHS07	
Signal word Danger Hazard statements	
H302 Harmful if swallowed. H318 Causes serious eve damage.	
H318 Causes serious eye damage. <b>Precautionary statements</b> P280 Wear protective gloves/protective clothing/eye protection/face protection.	
P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product.	
P280       Wear protective gloves/protective clothing/eye protection/face protection.         P264       Wash thoroughly after handling.         P270       Do not eat, drink or smoke when using this product.         P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing         P310       Immediately call a POISON CENTER/doctor.         P320       Parametric call a POISON CENTER/doctor.	<i>д.</i>
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification	
D2B - Toxic material causing other toxic effects	
Classification system	
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
$\frac{ \text{Health} }{ \text{Health} } = 2$	
PRE     Flammability = 1       REACTIVITY     Physical Hazard = 1	
Other hazards	
Results of PBT and vPvB assessment PBT: Not applicable.	
vPvB: Not applicable.	
3 Composition/information on ingredients	
Chemical characterization: Substances CAS# Description:	
53857-57-1 5-Bromo-1H-indazole	
4 First-aid measures	
Description of first aid measures After inhalation	
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.	(Contd. on page 2)
	USA USA

## Product name: 5-Bromo-1H-indazole (Contd. of page 1) After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed Harmful if swallowed. Causes serious eye damage. 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) Hydrogen bromide (HBr) 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. 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 eves Avoid contact with the eyes. Maintain an ergonomically appropriate working environment. **Breathing equipment:** Use suitable respirator when high concentrations are present. **Recommended filter device for short term use:** Use a respirator with type P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. **Protection of hands:** Imperving respirators. 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:** Tightly sealed goggles **Body protection:** Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Crystalline solid Odor: Nót determined Odor threshold: Not determined pH-value: Not applicable. Change in condition 12<u>3-127 °C (253-261 °F)</u> Melting point/Melting range:

(Contd. on page 3)

## Product name: 5-Bromo-1H-indazole

Page 3/4 Printing date 07/15/2016 Revision date 07/14/2016

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Viscosity:			
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Incompatible materials: Cvidiaing agents Hazardous decomposition products: Componentials Hydrogen brownies Hydrogen brownie Hydrogen brownie H	Possibility of hazardous reactions Re	Reacts with strong oxidizing agents	
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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. Do not allow undifued product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. Other adverse effects No further relevant information available.  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.  I Transport information UN-Number DOT, ADN, IMDG, IATA Not applicable	Toxicity		
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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. Do not allow undifued product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. Other adverse effects No further relevant information available.  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.  I Transport information UN-Number DOT, ADN, IMDG, IATA Not applicable	Bioaccumulative potential No further	relevant information available.	
General notes: " Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. PBT: Not applicable. Other adverse effects No further relevant information available. 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. I Transport information UN-Number DOT, ADN, IMDG, IATA Not applicable DOT, ADR, ADR, ADR, ADR, ADR, MDG, IATA Not applicable Not applicable Not applicable	Additional ecological information:	irmation available.	
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VPVB: Not applicable.         Other adverse effects No further relevant information available.         2 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.         I Transport information         UN-Number         DOT, ADN, IMDG, IATA         Not applicable         I'rransport hazard class(es)         DOT, ADR, ADN, IMDG, IATA         Not applicable         Not applicable	PBT: Not applicable.		
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Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class Not applicable	UN proper shipping name		
DOT, ADR, ADN, IMDG, IATA Class Not applicable		Not applicable	
Class Not applicable			
		Not applicable	
			(Contd. on pag

Product name: 5-Bromo-1H-indazole	
	(Contd. of page 3)
Packing group DOT, IMDG, IATA	Not applicable
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78	and the IBC Code Not applicable.
Transport/Additional information:	
DOT Marine Pollutant (DOT):	Νο
UN "Model Regulation":	-
15 Regulatory information Safety, health and environmental regulations/legislation GHS label elements The product is classified and labeled in Hazard pictograms GHS05 GHS07	specific for the substance or mixture accordance with 29 CFR 1910 (OSHA HCS)
Signal word Danger         Hazard statements         H302 Harmful if swallowed.         H318 Causes serious eye damage.         Precautionary statements         P280       Wear protective gloves/protective clothing.         P270       Do not eat, drink or smoke when using thi         P305+P351+P338 IF IN EYES: Rinse cautiously with water free paint of the p	is product. for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. ctor. ER/doctor if you feel unwell. nce with local/regional/national/international regulations. In Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted ad by or directly under the supervision of a technically qualified individual as defined by TSCA. This nulations for commercial purposes. nces List (DSL) or the Canadian Non-Domestic Substances List (NDSL). stance is not listed. s not listed. t listed. isted. ical g qualified individuals. <b>S</b> <b>B</b> <b>B REACH Regulations (EC) No. 1907/2006.</b> Substance is not listed. <b>d Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the</b>
information to ensure proper use and protect the health and s conformance with this Material Safety Data Sheet, or in comb	to other information gathered by them, and should make independent judgement of suitability of this safety of employees. This information is furnished without warranty, and any use of the product not in bination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Department Date of preparation / last revision 07/15/2016 / - Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Rou DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal dose, 50 percent UNB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) INTP: National Toxicology Program (USA) INTP: National Toxicology Program (USA) Acute Tox. 4: Acute toxicity, Hazard Category 4 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1	ite (European Agreement concerning the International Carriage of Dangerous Goods by Road)