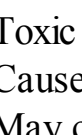
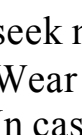


1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
1.1	Product identifiers				
	Product name	:	4-Bromo-1,2-diaminobenzene		
	CAS-No.	:	1575-37-7		
1.2	Relevant identified uses of the substance or mixture and uses advised against				
	Identified uses	:	Laboratory chemicals, Manufacture of substances		
2.	HAZARDS IDENTIFICATION				
2.1	Classification of the substance or mixture				
	Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]				
	Acute toxicity, Oral (Category 3)				
	Skin irritation (Category 2)				
	Eye irritation (Category 2)				
	Skin sensitization (Category 1)				
	Classification according to EU Directives 67/548/EEC or 1999/45/EC				
	Toxic if swallowed. Irritating to eyes and skin. May cause sensitization by skin contact.				
2.2	Label elements				
	Labelling according Regulation (EC) No 1272/2008 [CLP]				
	Pictogram				
	Signal word	Danger			
	Hazard statement(s)				
	H301	Toxic if swallowed.			
	H315	Causes skin irritation.			
	H317	May cause an allergic skin reaction.			
	H319	Causes serious eye irritation.			
	Precautionary statement(s)				
	P280	Wear protective gloves.			
	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.			
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
	Supplemental Hazard Statements	none			
	May produce an allergic reaction.				
	According to European Directive 67/548/EEC as amended.				
	Hazard symbol(s)				
	R-phrases(s)				
	R25	Toxic if swallowed.			
	R36/38	Irritating to eyes and skin.			
	R43	May cause sensitization by skin contact.			
	S-phrases(s)				
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.			
	S36/37	Wear suitable protective clothing and gloves.			
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).			
2.3	Other hazards - none				
3.	COMPOSITION/INFORMATION ON INGREDIENTS				
3.1	Substances				
	Synonyms	:	4-Bromo-o-phenylenediamine 4-Bromo-2-aminoaniline		
	Formula	:	C6H7BrN2		
	Molecular Weight	:	187,04 g/mol		
	Component		Concentration		
	4-Bromo-1,2-diaminobenzene				
	CAS-No.	1575-37-7	-		
4.	FIRST AID MEASURES				
4.1	Description of first aid measures				
	General advice				
	Consult a physician. Show this safety data sheet to the doctor in attendance.				
	If inhaled				
	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.				
	In case of skin contact				
	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.				
	In case of eye contact				
	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.				
	If swallowed				
	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.				
4.2	Most important symptoms and effects, both acute and delayed				
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.				
4.3	Indication of any immediate medical attention and special treatment needed				
	no data available				
5.	FIRE-FIGHTING MEASURES				
5.1	Extinguishing media				
	Suitable extinguishing media				
	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.				
5.2	Special hazards arising from the substance or mixture				
	Carbon oxides, nitrogen oxides (NOx), Hydrogen bromide gas				
5.3	Advice for fire fighters				
	Wear self contained breathing apparatus for fire fighting if necessary.				
5.4	Further information				
	no data available				
6.	ACCIDENTAL RELEASE MEASURES				
6.1	Personal precautions, protective equipment and emergency procedures				
	Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.				
6.2	Environmental precautions				
	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.				
6.3	Methods and materials for containment and cleaning up				
	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.				
6.4	Reference to other sections				
	For disposal see section 13.				
7.	HANDLING AND STORAGE				
7.1	Precautions for safe handling				
	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.				
7.2	Conditions for safe storage, including any incompatibilities				
	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.				
7.3	Specific end uses				
	no data available				
8.	EXPOSURE CONTROLS/PERSONAL PROTECTION				
8.1	Control parameters				
	Components with workplace control parameters				
8.2	Exposure controls				
	Appropriate engineering controls				
	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.				
	Personal protective equipment				
	Eye/face protection				
	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).				
	Skin protection				
	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.				
	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.				
	Body Protection				
	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.				
	Respiratory protection				
	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).				
9.	PHYSICAL AND CHEMICAL PROPERTIES				
9.1	Information on basic physical and chemical properties				
	a) Appearance	Form: solid			
	b) Odour	no data available			
	c) Odour Threshold	no data available			
	d) pH	no data available			
	e) Melting point/freezing point	Melting point/range: 65 - 69 °C - dec.			
	f) Initial boiling point and boiling range	no data available			
	g) Flash point	no data available			
	h) Evaporation rate	no data available			
	i) Flammability (solid, gas)	no data available			
	j) Upper/lower flammability or explosive limits	no data available			
	k) Vapour pressure	no data available			
	l) Vapour density	no data available			
	m) Relative density	no data available			
	n) Water solubility	no data available			
	o) Partition coefficient: n-octanol/water	log Pow: 1,628			
	p) Autoignition temperature	no data available			
	q) Decomposition temperature	no data available			
	r) Viscosity	no data available			
	s) Explosive properties	no data available			
9.2	Other safety information				
	no data available				
10.	STABILITY AND REACTIVITY				
10.1	Reactivity				
	no data available				
10.2	Chemical stability				
	no data available				
10.3	Possibility of hazardous reactions				
	no data available				
10.4	Conditions to avoid				
	no data available				
10.5	Incompatible materials				
	Oxidizing agents				
10.6	Hazardous decomposition products				
	Other decomposition products - no data available				
11.	TOXICOLOGICAL INFORMATION				
11.1	Information on toxicological effects				
	Acute toxicity				
	no data available				
	Skin corrosion/irritation				
	no data available				
	Serious eye damage/eye irritation				
	no data available				
	Respiratory or skin sensitization				
	May cause allergic skin reaction.				
	Germ cell mutagenicity				
	no data available				
	Carcinogenicity				
	IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.			
	Reproductive toxicity				
	no data available				
	Specific target organ toxicity - single exposure				
	no data available				
	Specific target organ toxicity - repeated exposure				
	no data available				
	Aspiration hazard				
	no data available				
	Potential health effects				
	Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.			
	Ingestion	Toxic if swallowed.			
	Skin	May be harmful if absorbed through skin. Causes skin irritation.			
	Eyes	Causes serious eye irritation.			
	Signs and Symptoms of Exposure				
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.				
	Additional Information				
	RTECS: Not available				
12.	ECOLOGICAL INFORMATION				
12.1	Toxicity				
	no data available				
12.2	Persistence and degradability				
	no data available				
12.3	Bioaccumulative potential				
	no data available				
12.4	Mobility in soil				
	no data available				
12.5	Results of PBT and vPvB assessment				
	no data available				
12.6	Other adverse effects				
	no data available				
13.	DISPOSAL CONSIDERATIONS				
13.1	Waste treatment methods				
	Product				
	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.				
	Contaminated packaging				
	Dispose of as unused product.				
14.	TRANSPORT INFORMATION				
14.1	UN number	ADR/RID: 2811	IMDG: 2811 IATA: 2811		
14.2	UN proper shipping name	ADR/RID: TOXIC SOLID, ORGANIC, N.O.S. (4-Bromo-1,2-diaminobenzene) IMDG: TOXIC SOLID, ORGANIC, N.O.S. (4-Bromo-1,2-diaminobenzene) IATA: Toxic solid, organic, n.o.s. (4-Bromo-1,2-diaminobenzene)			
14.3	Transport hazard class(es)	ADR/RID: 6.1	IMDG: 6.1 IATA: 6.1		
14.4	Packaging group	ADR/RID: III	IMDG: III IATA: III		
14.5	Environmental hazards	ADR/RID: no	IMDG Marine pollutant: no IATA: no		
14.6	Special precautions for user				
	no data available				
15.	REGULATORY INFORMATION				
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.				
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	no data available				
15.2	Chemical Safety Assessment				
	no data available				
16.	OTHER INFORMATION				
	Further information				
	For R&D use only. Not for drug, household or other uses.				