

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations SDS ID: 26079X9 Issue date: 2/13/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification	
Product form Substance name CAS-No. Product code Formula Synonyms Other means of identification	 Substance 1-Bromo-3-phenoxybenzene 6876-00-2 2607-9-X9 C12H9BrO 3-Phenoxybromobenzene MFCD00474520
1.2. Recommended use and restrictions on	use
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Supplier	
SynQuest Laboratories, Inc. Inc. P.O. Box 309 Alachua, FL, Alachua, 32615 United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification		
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage
Skin sensitization, category 1B	H317	May cause an allergic skin reaction
Specific target organ toxicity – Single exposure, Category 3,	H335	May cause respiratory irritation
Respiratory tract irritation		
Hazardous to the aquatic environment – Acute Hazard Category 2	H401	Toxic to aquatic life
Hazardous to the aquatic environment – Chronic Hazard Category 2	H411	Toxic to aquatic life with long lasting effects
Full text of H statements : see section 16		

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)

Signal word (GHS US) Hazard statements (GHS US) : Danger

: H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

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	H318 - Causes serious eye damage
	H335 - May cause respiratory irritation
	H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (GHS US)	: P261 - Avoid breathing fumes, mist, spray, vapors.
	P264 - Wash skin thoroughly after handling
	P271 - Use only outdoors or in a well-ventilated area.
	P272 - Contaminated work clothing must not be allowed out of the workplace.
	P273 - Avoid release to the environment.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352 - If on skin: Wash with plenty of soap and water
	P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
	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 or doctor/ physician
	P321 - Specific treatment (see supplemental first aid instructions on this label)
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
	P363 - Wash contaminated clothing before reuse.
	P391 - Collect spillage.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
	P405 - Store locked up.
	P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type

: Mono-constituent

Name	Product identifier	%	GHS US classification
1-Bromo-3-phenoxybenzene (Main constituent)	CAS-No.: 6876-00-2	≤ 100	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.

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First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.
4.2. Most important symptoms and effective states and effective symptometry and effective sympto	fects (acute and delayed)
Symptoms/effects	: The most important known symptoms and effects are described in the labelling (see section 2.2)

and/or in section 11.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguishing n	nedia		
Suitable extinguishing media :	Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.		
5.2. Specific hazards arising from the chemical			
Fire hazard : Explosion hazard :	Thermal decomposition generates: Carbon oxides. Hydrogen bromide. Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.		
5.3. Special protective equipment and precau	tions for fire-fighters		
5 5	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".		

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.	
6.1.1. For non-emergency personnel		
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.	

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment

6.2. Environmental precautions

: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.

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Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion- proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to other sections	

No additional information available

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	 Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 	
7.2. Conditions for safe storage, including any incompatibilities		
Technical measures Storage conditions Incompatible materials Storage area	 Comply with applicable regulations. Keep container closed when not in use. Refer to Section 10 on Incompatible Materials. Store in dry, cool, well-ventilated area. 	

8.1. Control parameters	
1-Bromo-3-phenoxybenzene (6876-00-2)	
No additional information available	
8.2. Appropriate engineering controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
8.3. Individual protection measures/Personal protective equipment	

Hand protection:
protective gloves. 29 CFR 1910.138: Hand Protection
Eye protection:
Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection

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Personal protective equipment symbol(s):



Other information:

Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 156 – 158 °C (@ 10 mm Hg)
Flash point	: >110 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.3713 g/ml
Molecular mass	: 249.103 g/mol
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
Refractive index	: 1.6076 (@ 20 °C)

SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and storage conditions.	

10.3. Possibility of hazardous reactions

No additional information available

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10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified. Not classified Not classified
1-Bromo-3-phenoxybenzene (6876-00-2)	
LD50 oral rat	3200 mg/kg
ATE US (oral)	3200 mg/kg body weight
Skin corrosion/irritation :	Causes skin irritation.
Serious eye damage/irritation :	Causes serious eye damage.
Respiratory or skin sensitization :	May cause an allergic skin reaction.
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Reproductive toxicity :	Not classified
STOT-single exposure :	May cause respiratory irritation.
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified
Viscosity, kinematic :	No data available
Symptoms/effects :	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

SECTION 12: Ecological information
12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Other adverse effects
No additional information available

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SECTION 13: Disposal considerations 13.1. Disposal methods Waste treatment methods Product/Packaging disposal recommendations Additional information Example Example Example Example Image: Section 13: Disposal considerations Example 10: Section 10:

SECTION 14: Transport information

14.1. UN number	
DOT NA No UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	: UN3077 : Not applicable : 3077 : 3077
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Environmentally hazardous substances, solid, n.o.s. Not applicable ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. Environmentally hazardous substance, solid, n.o.s.

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) Hazard labels (DOT)



TDG

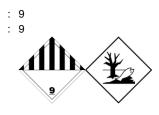
Transport hazard class(es) (TDG)

IMDG

Transport hazard class(es) (IMDG) Hazard labels (IMDG)

Transport hazard class(es) (IATA) Hazard labels (IATA)







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14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	: III : Not applicable : III : III
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant	: Yes : Yes
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT UN-No.(DOT)	: UN3077

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 146 - This description may be used for a material that poses a bazard to the environment but does not meet the definition for a hazardous substance, as defined in 1718, of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 335 - Matures of solids that are not subject to this subchapter and environmentally hazardous substances, solid, n.o.s." UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is baded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging. 384 - For transportation by motor vehicle, substances meeting the conditions for high viscosity flammable liquids as proscribed in §173.1210(11)(0, 10(11)), and (10)) of this subchapter, may be reasolitized to a maximum net quantity of nuovel (10) and (10) (10) of this subchapter, may be reasolitized to a subtract the line the lolowing conditions. A 112 - Notwithstanding the quarkty limits abown in Column (9A) and (9B) for this entry, the following IBCS are authorized for transportation by motor vehicle, substances meeting and cargo-only aircraft. Each IBC may not exceed a maximum net quarkty of 1.000 kg: a. Meta: 11A, 11, 11A, 21A, 21B, and 21N b. Rigd plastics: 11H1, 11H2, 21A, 21B, and 21N b. Rigd plastics: 11H1, 11H2, 21H1 and 21H2 c. Composite with plasts interine coopclase: 11H2, 11H22, 21H21 and 21H22 d. Fliexbib: 13H2, 13H3, 13H4, 13H4, 13H4, 13H4, 13H4 and 13M2 (flickbib IBCs must be shippord and water resistant line). B64 - Open-top, silt-proof rail cars are also authorized. B120 - The use of flickbib BICs must be silt-proof and water resistant remy be fitted with a silt-proof and water resistant remy be the dimination of the subchapter is an authorized for an withour without (40, or ann 31H22). Fiteleborad (16): W	DOT Special Provisions (49 CFR 172.102)	: 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.
 designated as environmentally hazardous by the Competent Authority of the county of origin, transit or desination. 335 - Mistures of solids that are not subject to this subchapter and environmentally hazardous substances, solid, no. a.". Ilguida or solida may be classified as "Environmentally hazardous substances, solid, no. a.". Ilguida or solida is landed or at the time the packaging or transport unit is closed. Each transport unit must be leak proof when used as bulk packaging. 384 - For transportation by motor whicle, substances meeting the conditions for high viscosity tammable leguida as prescribed in §713. (2116)(10), 001(11)), and (9)(110) of this subchapter. may be reassigned to Packing Group III under the following conditions: A112 - Notwithstanding the quarkity limits shown in Column (9A) and (9B) for this entry, the following conditions: A112 - Notwithstanding the quarkity limits shown in Column (9A) and (9B) for this entry, the following conditions: A. Netal: 11A, 11B, 11N, 21A, 21B and 21N b. Rigid plastics: 11H, 11H2, 21H1 and 21H2 c. Composite with plastic inner receptacle: 11H21, 11H22, 21H21 and 21H22 d. Floathoi: 13H2, 13H3, 13H4, 13H5, 13L2, 13L3, 13L4, 13M1 and 13M2 (floxible IBCs must be sith-proof and water resistant liner). B54 - Open-toys of sitrpori of nil care as also authorized. B120 - The use of floxible bulk containers conforming to the requirements in subpart R and subpart S of may for the difficult and 31H2; CH42, 21H22, 31H2, 13H4, 13H4, 13H2, 13H2, 13H3, 13H4, 13H4, 13H3, 13H4, 13H2, 13H2, 13H3, 13H4, 13H4, 13H3, 13H4, 13H4, 13H2, 13H2, 13H3, 13H4, 13H4, 13H3, 13H4, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13H4, 13H3, 13H4, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13H4, 13H3, 13H4, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13H4, 13H2, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H2, 13H3, 13H4		146 - This description may be used for a material that poses a hazard to the environment but
 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous sublances, solid, n.o.s." UN307 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak proof when used as bulk packaging. 384 - For transportation by motor vehicle, substances meeting the conditions for high viscosity farmable liquids as prescribed in §77.12.12(0)(1), (b)(1)(i), and (b)(1)(i) of this subchapter, may be reassigned to Packing Group III under the following conditions. A112 - Nouthitationing the quartity limits shown in Column (9A) and (9B) for this entry, the following conditions. A112 - Nouthitation farmable liquids is inner receptacle: 1142, 11422, 21423 and 21422 C. Composite with plasic inner receptacle: 1142, 11422, 21421 and 21422 C. Composite with plasic inner receptacle: 1142, 11422, 21421 and 21422 C. Composite with plasic inner receptacle: 1142, 11423, 1344, 1344 and 13M2 (floxible IBCs must be sit-proof and water resistant or must be fitted with a sit-proof and water resistant liner). B54 - Open-top, sit-proof rail case are also authorized. B120 - The use of floxible bulk containers conforming to the road antwater resistant liner). B54 - Open-top, sit-proof rail case are also authorized. B120 - The use of a constapperial charactapperial plantitied. B120 - The use of a constapperial charactapperial plantitied. B130 - Floxible ISA, 1141, 2142, 2141, 2143, 3144, 1441 or 3142). Charboniz J141, 2142, 2141, 2142, 3141 and 3142). Floxible ISA, 2141, 2142, 3141, 3144, 1441 or 3142). Floxible ISA, 2141, 2142, 2141, 2142, 3141, 3144, 1341 or 3142). Floxible ISA, 2141, 2142, 2141, 2142, 3141, 3144, 1341 or 3142). <l< td=""><td></td><td>designated as environmentally hazardous by the Competent Authority of the country of origin,</td></l<>		designated as environmentally hazardous by the Competent Authority of the country of origin,
 394 - For transportation by motor vehicle, substances meeting the conditions for high viscosity farmable iliquids as presended in \$173.121(b)(1)(0), (b)(1)(i)), and (b)(1)(iv) of this subchapter, may be reassigned to Packing Group III under the following conditions: A112 - Notwithstanding the quantity limits shown in Column (SA) and (BB) for this entry, the following (BCs are authorized for transportation aboard passenger and cargo-only aircraft. Each IBC may not exceed a maximum net quantity of 1,000 kg: a. Metai: 11.11, 115, 111, 211, 212, 2112, 218 and 21N b. Rigid plastics: 11H1, 11H2, 21H1 and 21H2 c. Composite with plastic inner receptacle: 11H21, 11H22, 21H21 and 21H22 d. Floethoard: 11G e. Wooden: 11C, 11D and 11F (with inner liners) f. Floethoard: 11G B54 - Open-top, sift-proof and water resistant liner). B54 - Open-top, sift-proof and icars are alios authorized. B120 - The use of flexible bulk containers conforming to the requirements in subpart R and subpart S opt 1176 of this subchapter is permitted. B88 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21H2, 11H22, 11H2, 11H2, 21H2, 13H3, 13H4, 13H5, 13L4, 13H1 and 31H2; Flexible (13H1, 13H2, 21H2, 21H2,		 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport
 Iolowing IBCs are authorized for transportation about passenger and cargo-only aircraft. Each IBC may not exceed a maximum net quantity of 1,000 kg: a. Metal: 11A, 11B, 11N, 21A, 21B and 21N b. Rigid plastics: 11H1, 11H2, 21H1 and 21H2 c. Composite with plastic inner receptacle: 11H21, 11H22, 21H21 and 21HZ2 d. Fiberboard: 11G e. Wooden: 11C, 11D and 11F (with inner liners) f. Fiexible: 13H2, 13H3, 13H4, 13H5, 13L2, 13L3, 13L4, 13M1 and 13M2 (flexible IBCs must be silt-proof and water resistant or must be fitted with a silt-proof and water resistant iner). ES4 - Open-top, sift-proof rail cars are also authorized. B120 - The use of flexible bulk containers conformited. B28 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1, 13H, 13H, 13H, 13H2, 13H3, 13H and 31H2); Composite (11H21, 11H22, 21H22, 31H21, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or attrack with a sift-proof and water-resistant liner. N20 - A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle. N21 - A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle. N21 - A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle. N21 - A 5M1 multi-wall paper bag is authorized in the substance applies for granular and powdered solids and for solids which are cooled and transported and water-resistant and powdered solids and for solids which are cooled and transported as a solid mass. Solid substances transportation. T1 - 15 T8/2.74(0)(2) Normal		384 - For transportation by motor vehicle, substances meeting the conditions for high viscosity flammable liquids as prescribed in §173.121(b)(1)(i), (b)(1)(ii), and (b)(1)(iv) of this subchapter, may be reassigned to Packing Group III under the following conditions:
 c. Composite with plastic inner receptacle: 11HZ1, 11HZ2, 21HZ1 and 21HZ2 d. Fiberboard: 11G e. Wooden: 11C, 11D and 11F (with inner liners) f. Flexible: 13HZ, 13H3, 13H4, 13H5, 13L2, 13L3, 13L4, 13M1 and 13M2 (flexible IBCs must be sift-proof and water resistant or must be fitted with a sift-proof and water resistant iner). B54 - Open-top, sift-proof rail cars are also authorized. B120 - The use of flexible bulk containers conforming to the requirements in subpart R and subpart S of part 178 of this subchapter is permitted. IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H22); Composite (11HZ1, 11HZ2, 13H2, 13H2, 13H4, 13H4, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H4, 13H4, 13H2, 13H3, 13H		following IBCs are authorized for transportation aboard passenger and cargo-only aircraft. Each IBC may not exceed a maximum net quantity of 1,000 kg:
f. Flexible: 13H2, 13H3, 13H4, 13H5, 13L2, 13L3, 13L4, 13M1 and 13M2 (flexible IBCs must be sift-proof and water resistant or must be filted with a sift-proof and water resistant liner). B54 - Open-top, sift-proof all cars are also authorized. B120 - The use of flexible bulk containers conforming to the requirements in subpart R and subpart S of part 178 of this subchapter is permitted. IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 21H1, 21H2, 21H1, 21H2, 21H2, 21H21, 21H22, 21H21, 21H2, 21H1, 21H2, 21H2, 21H21, 21H22, 21H21, 2		c. Composite with plastic inner receptacle: 11HZ1, 11HZ2, 21HZ1 and 21HZ2 d. Fiberboard: 11G
subpart S of part 178 of this subchapter is permitted.IB8 - Authorized IBCs: Metal (114, 118, 118, 118, 214, 214, 214, 214, 2142		f. Flexible: 13H2, 13H3, 13H4, 13H5, 13L2, 13L3, 13L4, 13M1 and 13M2 (flexible IBCs must be sift-proof and water resistant or must be fitted with a sift-proof and water resistant liner). B54 - Open-top, sift-proof rail cars are also authorized.
 (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. N20 - A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle. N91 - The use of a non specification sift-proof, non-bulk, metal can with or without lid, or a non specification sift-proof, non-bulk fiber drum, with or without lid is authorized when transporting coal tar pitch compounds by motor vehicle or rail freight. The fiber drum must to be fabricated with a three ply wall, as a minimum. The coal tar pitch compound must be in a solid mass during transportation. T1 - 1.5 178.274(d)(2) Normal		subpart S of part 178 of this subchapter is permitted.
 water-resistant liner. N20 - A SM1 multi-wall paper bag is authorized if transported in a closed transport vehicle. N91 - The use of a non specification sift-proof, non-bulk, metal can with or without lid, or a non specification sift-proof, non-bulk fiber drum, with or without lid is authorized when transporting coal tar pitch compounds by motor vehicle or rail freight. The fiber drum must to be fabricated with a three ply wall, as a minimum. The coal tar pitch compound must be in a solid mass during transportation. T1 - 1.5 178.274(d)(2) Normal		(11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3,
N91 - The use of a non specification sift-proof, non-bulk, metal can with or without lid, or a non specification sift-proof, non-bulk fiber drum, with or without lid is authorized when transporting coal tar pitch compounds by motor vehicle or rail freight. The fiber drum must to be fabricated with a three ply wall, as a minimum. The coal tar pitch compound must be in a solid mass during 		
TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.DOT Packaging Exceptions (49 CFR 173.xxx):155DOT Packaging Bulk (49 CFR 173.xxx):213DOT Packaging Bulk (49 CFR 173.xxx):240DOT Quantity Limitations Passenger aircraft/rail (49:No limit		N91 - The use of a non specification sift-proof, non-bulk, metal can with or without lid, or a non specification sift-proof, non-bulk fiber drum, with or without lid is authorized when transporting coal tar pitch compounds by motor vehicle or rail freight. The fiber drum must to be fabricated with a three ply wall, as a minimum. The coal tar pitch compound must be in a solid mass during transportation.
III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.DOT Packaging Exceptions (49 CFR 173.xxx):155DOT Packaging Bulk (49 CFR 173.xxx):213DOT Packaging Bulk (49 CFR 173.xxx):240DOT Quantity Limitations Passenger aircraft/rail (49:No limit		TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or
TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter. DOT Packaging Exceptions (49 CFR 173.xxx) : 155 DOT Packaging Bulk (49 CFR 173.xxx) : 213 DOT Packaging Bulk (49 CFR 173.xxx) : 240 DOT Quantity Limitations Passenger aircraft/rail (49) :		III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special
DOT Packaging Exceptions (49 CFR 173.xxx):155DOT Packaging Non Bulk (49 CFR 173.xxx):213DOT Packaging Bulk (49 CFR 173.xxx):240DOT Quantity Limitations Passenger aircraft/rail (49:No limit		TP3. Solids meeting the definition of an elevated temperature material must be transported in
DOT Packaging Bulk (49 CFR 173.xxx) : 240 DOT Quantity Limitations Passenger aircraft/rail (49) : No limit	DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx)	: 155
	DOT Packaging Bulk (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail (49	: 240

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DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: No limit
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
TDG	
Emergency Response Guide (ERG) Number	: 171
IMDG	
Special provision (IMDG)	: 274, 335, 966, 967, 969
Limited quantities (IMDG)	: 5 kg
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP02, P002
Packing provisions (IMDG)	: PP12
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: BK1, BK2, BK3, T1
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW23
ΙΑΤΑ	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y956
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
CAO max net quantity (IATA)	: 400kg
Special provision (IATA)	: A97, A158, A179, A197, A215
ERG code (IATA)	: 9L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act
(TSCA) inventory, except for:

100%

1-Bromo-3-phenoxybenzene

CAS-No. 6876-00-2

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

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National regulations

1-Bromo-3-phenoxybenzene (6876-00-2)

Listed on the Japanese ENCS (Existing New Chemical Substances) inventory Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases		
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H318	Causes serious eye damage	
H335	May cause respiratory irritation	
H401	Toxic to aquatic life	
H411	Toxic to aquatic life with long lasting effects	
NFPA health hazar NFPA fire hazard NFPA reactivity	 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury. 1 - Materials that must be preheated before ignition can occur. 0 - Material that in themselves are normally stable, even under fire conditions. 	
Hazard Rating Health Flammability Physical	 2 Moderate Hazard - Temporary or minor injury may occur 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB) 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. 	

Safety Data Sheet (SDS), USA

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.