

Safety Data Sheet 26179X1

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/21/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2-Bromo-1-(2-phenoxyphenyl)ethan-1-one
CAS No	: 94402-42-3
Product code	: 2617-9-X1
Formula	: C14H11BrO2
Synonyms	: 2-(Phenoxy)phenacyl bromide; 2-(Bromoacetyl)diphenyl ether
Other means of identification	: MFCD08435906
1.2. Relevant identified uses of the	substance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the sa	fety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	
1.4. Emergency telephone number	· (0.44) 502 4000 (25 Operative Apparent 40000)
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificat	ion
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
Skin Corr. 1BH314 - Causes severe skiEye Dam. 1H318 - Causes serious eySTOT SE 3H335 - May cause respiratFull text of H-phrases: see section 16	e damage
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	: GHS05 GHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P260 - Do not breathe dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower 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) P363 Wash contaminated clothing before reuse
- - 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

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2.3. Other hazards Other hazards not contributing to the : Lachrymator.				
classification 2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on in	gredients		
3.1. Substance				
Substance type :	Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
2-Bromo-1-(2-phenoxyphenyl)ethan-1-one (Main constituent)		(CAS No) 94402-42-3	<= 100	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general :		e of accident or if you feel unwell, seek re possible). Move the affected personnel		
First-aid measures after inhalation :		ve person to fresh air and keep comforta ation. Get immediate medical advice/atte		g. If not breathing, give artificial
First-aid measures after skin contact :		with plenty of soap and water. Remove al advice/attention.	contaminated cl	othing and shoes. Get immediate
First-aid measures after eye contact :		diately flush eyes thoroughly with water t nt and easy to do. Continue rinsing. Get		
First-aid measures after ingestion :		DT induce vomiting. Never give anything o out with water. Get immediate medical		
4.2. Most important symptoms and effects	, both a	acute and delayed		
Symptoms/injuries :		nost important known symptoms and effe nd/or in section 11.	ects are describe	d in the labelling (see section
Symptoms/injuries after inhalation :		ial is destructive to tissue of the mucuou ness of breath, headache, nausea.	s membranes ar	nd upper respiratory tract. Cough,
4.3. Indication of any immediate medical a	ttentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the subs	tance o	or mixture		
Fire hazard :	Thern	nal decomposition generates: Carbon ox	ides. Hydrogen	promide.
5.3. Advice for firefighters				
Firefighting instructions :	In cas	e of fire: Evacuate area.		
Protection during firefighting :		gas tight chemically protective clothing i		
	appar	atus. For further information refer to sect	tion 8: "Exposure	econtrols/personal protection".
SECTION 6: Accidental release measu	res			
6.1. Personal precautions, protective equi		and emergency procedures		
		ate unnecessary personnel. Ensure ade	equate air ventila	tion. Do not breathe dust.
6.1.1. For non-emergency personnel Emergency procedures ::	Only	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.
6.1.2. For emergency responders Protective equipment :		t attempt to take action without suitable o section 8: "Exposure controls/persona		ment. For further information

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6.2. Environmental precautions			
Avoid release to the environment. Notify authorities if product enters sewers or public waters.			
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6.3. Methods and material for containme			
For containment	: Stop leak if safe to do so.		
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.		
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	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.		
Hygiene measures	: 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	ng any incompatibilities		
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Keep contents under inert gas.		
Incompatible materials	: Refer to Section 10 on Incompatible Materials.		
Storage area	: Store in dry, cool, well-ventilated area.		

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

8.2. Exposure 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.
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.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical a	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available

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Relative density: No data availableRelative vapor density at 20 °C: No data availableMolecular mass: 291.14 g/molSolubility: No data availableLog Pow: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableViscosity: No data availableViscosity, kinematic: No data availableViscosity, dynamic: No data available9.2.Other information		
Molecular mass: 291.14 g/molSolubility: No data availableLog Pow: No data availableAuto-ignition temperature: No data availableDecomposition temperature: No data availableViscosity: No data availableViscosity, kinematic: No data availableViscosity, dynamic: No data available	Relative density	: No data available
Solubility:No data availableLog Pow:No data availableAuto-ignition temperature:No data availableDecomposition temperature:No data availableViscosity:No data availableViscosity, kinematic:No data availableViscosity, dynamic:No data available	Relative vapor density at 20 °C	: No data available
Log Pow:No data availableAuto-ignition temperature:No data availableDecomposition temperature:No data availableViscosity:No data availableViscosity, kinematic:No data availableViscosity, dynamic:No data available	Molecular mass	: 291.14 g/mol
Auto-ignition temperature: No data availableDecomposition temperature: No data availableViscosity: No data availableViscosity, kinematic: No data availableViscosity, dynamic: No data available	Solubility	: No data available
Decomposition temperature:No data availableViscosity:No data availableViscosity, kinematic:No data availableViscosity, dynamic:No data available	Log Pow	: No data available
Viscosity : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available	Auto-ignition temperature	: No data available
Viscosity, kinematic : No data available Viscosity, dynamic : No data available	Decomposition temperature	: No data available
Viscosity, dynamic : No data available	Viscosity	: No data available
	Viscosity, kinematic	: No data available
9.2. Other information	Viscosity, dynamic	: No data available
	9.2. Other information	

No additional information available

SECT	ION 10: Stability and reactivity
SECT	ION TO. Stability and reactivity
10.1.	Reactivity
No addi	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	itional information available
10.4.	Conditions to avoid
Keep av	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong I	bases. Strong oxidizing agents.
10.6.	Hazardous decomposition products
Under r	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	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

SECTI	ON 12: Ecological information	
12.1.	Toxicity	
No additi	onal information available	
12.2.	Persistence and degradability	
No additi	onal information available	
12.3.	Bioaccumulative potential	
No additi	onal information available	
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Mobility in soil 12.4.

No additional information available

Other adverse effects 12.5.

No additional information available

13.1 Waste treatment methods Remove to an authorized incinerator equipped with an alterburner and a flue gas scrubber. Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions. Additional information : Renove to an authorized incinerator equipped with an alterburner and a flue gas scrubber. Sectricol 14: Transport document of the provision of the p	SECTION 13: Disposal consideration	S
Wase disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions. Additional information : Recycle the material as far as possible. SECTION 14: Transport Information Data provide the material as far as possible. Section 14: Transport Information Data provide the material as far as possible. Image in transport Information UN3261 Corrosive solid, acidic, organic, n.o.s., 8, III Proper Shipping Name (DOT) : B - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : III - Minor Danger DOT Packaging Non Buk (49 CFR 173.xxx) : 240 DOT Special Provisions (49 CFR 172.x02) : IB8 - Authorized IBCS: Melai (114, 118, 114, 114, 214, 214, 314, 314 and 3142); Rigid platists (1111, 1142, 2141, 2142, 3141 and 3142); Rigid platists (1111, 1142, 2141, 2142, 3141 and 3142); Corposite of (1121, 1142, 2141, 2142, 2141 and 3142); Perobab tank instruction assigned to rhis sub		
Department of Transportation (DOT) In accordance with DOT Transport document description : UN3261 Proper Shipping Name (DOT) :: UN3261 Proper Shipping Name (DOT) :: Corrosive solid, acidic, organic, n.o.s. Transport hazard class(es) (DOT) :: 8 - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) :: 8 - Corrosive Packing group (DOT) :: 111 - Mnor Danger DOT Packaging Non Bulk (49 CFR 173.xxx) :: 240 DOT Special Provisions (49 CFR 173.xxx) :: 240 DOT Special Provisions (49 CFR 172.102) :: B - Authorized BCS: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H, 11H2, 21H1, 11H1, 21H1, 21H1, 21H1, 21H1, 21H1, 21H1, 21H1, 11H1, 11H1, 21H1, 21H1, 21H1, 21H1, 11H1, 21H1, 21H1, 11H1, 11	Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
In accordance with DOT Transport document description : UN3261 Corrosive solid, acidic, organic, n.o.s., 8, III UN-No.(DOT) : UN3261 Proper Shipping Name (DOT) : Corrosive solid, acidic, organic, n.o.s. Transport hazard class(e8) (DOT) : S - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : S - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : S - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : III - Minor Danger Packing group (DOT) : III - Minor Danger DOT Packaging Bulk (49 CFR 173.xxx) : 240 DOT Symbols : G - Identifies PSN requiring a technical name DOT Special Provisions (49 CFR 172.102) : IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11HT, 11H2, 21H1, 21H2, 31H1 and 31H2; Composite (11H21, 11H22, 21H27, 2	SECTION 14: Transport information	
In accordance with DOT Transport document description:UN3261 Corrosive solid, acidic, organic, n.o.s., 8, IIIUN-No.(DOT)::UN3261Proper Shipping Name (DOT)::Corrosive solid, acidic, organic, n.o.s.Transport hazard class(es) (DOT):8 - Class 8 - Corrosive material 49 CFR 173.136Hazard labels (DOT):8 - Corrosive considered and the solid solid constraint of the solid	Department of Transportation (DOT)	
Transport document description:UN3261 Corrosive solid, acidic, organic, n.o.s., 8, IIIUN-No.(DOT)::UN3261Proper Shipping Name (DOT)::Corrosive solid, acidic, organic, n.o.s.Transport hazard class(es) (DOT):::Backing group (DOT)::::Packing group (DOT)::::DOT Packaging Non Bulk (49 CFR 173.xxx)::::DOT Packaging Non Bulk (49 CFR 173.xxx)::::DOT Special Provisions (49 CFR 173.xxx):::::DOT Special Provisions (49 CFR 173.xxx)::::::DT Special Provisions (49 CFR 173.xxx):::::::DT Special Provisions (49 CFR 173.xxx):::::::::DT Special Provisions (49 CFR 172.102)::		
Proper Shiping Name (DOT): Corrosive solid, acidic, organic, n.o.s.Transport hazard class(es) (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136Hazard labels (DOT): 8 - CorrosivePacking group (DOT): III - Minor DangerDOT Packaging Bulk (49 CFR 173.xxx): 213DOT Packaging Bulk (49 CFR 173.xxx): 240DOT Special Provisions (49 CFR 172.102): B8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H22, 21H21, 21H22, 31H21 and 31H2); Composite (11H21, 11H22, 21H21, 21H22, 31H21 and 31H2); Composite (11H21, 11H22, 21H21, 21H22, 31H21 and 31H2); Flexible [13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).IP3 - Flexible IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H22, 21H21, 21H22, 31H21 and 31H2); Flexible [13H1, 13H2, 13H3, 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 incr.T1 - 1.5 178.274(d)(2)T7 - 1.5 178.274(d)(2)T7 - 3 - 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 metling point which are cooled and transported as solid ass. Solid substances of packing group II or To fos solid substances of packing group II unless a tank with more stringent tank instruction and special provision of portable tank instruction for solid substances of packing group II unless a tank with more stringent tank instruction and special provision Sol for abole tank instruction of this subchapter.DOT Packaging Exceptions (: UN3261 Corrosive solid, acidic, organic, n.o.s., 8, III
Proper Shipping Name (DOT): Corrosive solid, acidic, organic, n.o.s.Transport hazard class(es) (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136Hazard labels (DOT): 8 - CorrosivePacking group (DOT): III - Minor DangerDOT Packaging Bulk (49 CFR 173.xxx): 213DOT Packaging Bulk (49 CFR 173.xxx): 240DOT Special Provisions (49 CFR 172.102): B8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H, 11H, 22H, 12H, 13H, and 31H2); Composite (1H27, 1H22, 2H27, 21H27, and 31H2); Composite (1H27, 1H22, 2H27, 21H27, 31H27 and 31H2); Composite (1H27, 1H22, 2H27, 21H27, 31H27, and 31H2); Composite (1H27, 1H22, 2H27, 21H27, 21H27, 31H27, and 31H2); Composite (1H27, 1H22, 2H27, 21H27, 21H27, 31H27, and 31H2); Composite (1H27, 1H22, 2H27, 21H27, 21H27, 31H27, and 31H2); Composite (1H27, 1H22, 2H27, 21H27, 31H27, and 31H2); Composite (1H27, 1H22, 2H27, 21H27, 21H27, and 31H2); Composite (1H27, 1H22, 2H27, 21H27, 21H27, and 1H22, 1H21, 3H2, 3H3, 13L4, 13M1 or 13M2). IP3 - The portable tank instruction and specided at temperatures above their melting point which are coled and transported and solid mass. Solid substances of packing group II or T7 to solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relied provision of portable tank instruction of a solid mass. Solid substances of packing group II or T7 to solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relied provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with portable tank special provision	UN-No.(DOT)	: UN3261
Transport hazard class(es) (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136Hazard labels (DOT): 8 - CorrosivePacking group (DOT): III - Minor DangerDOT Packaging Non Bulk (49 CFR 173.xxx): 213DOT Packaging Bulk (49 CFR 173.xxx): 240DOT Symbols: G - Identifies PSN requiring a technical nameDOT Special Provisions (49 CFR 172.102): B - Authorized IRCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H, 11H, 22, 31H21 and 31H22; Cherboard (11G; IY) and 11F); Flexible (13H1, 13H2, 31H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).IP3 - Flexible IRCs: must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant import the cold solid substances of packing group II on transportation in portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures tansported or offered for transportation of portable tank instruction for solid substances of packing group II unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working group II on the provision of portable tank instruction of a elevated temperature material must be transported in accordance with the applicable requirements of this substance apples for granular and powdered solids and or solids which are little and discharged at temperature material must be transported in accordance with the applicable requirements of this subschaper.DOT Packaging Exceptions (49 CFR 173.xxx): 154DOT Quantity Limitations Passenger aircraft/mil (49 CFR 173.7x): 25 kgDOT Vessel Stowage Location: 10 kgCTR 175.75): A - The material may be stowed "on deck" or "under deck" on a cargo v		: Corrosive solid, acidic, organic, n.o.s.
Hazard labels (DOT): 8 - CorrosivePacking group (DOT): III - Minor DangerDOT Packaging Non Bulk (49 CFR 173.xxx): 213DOT Packaging Bulk (49 CFR 173.xxx): 240DOT Special Provisions (49 CFR 172.102): IBE - Authorized IBCs: Metal (11A, 11B, 11A, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H, 212H, 23H and 31H2; Composite (11H2, 11H22, 21H27, 21H22, 31H21 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H2, 13HA, 13H2, 21H27, 21H22, 31H21 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H2, 13HA, 13H2, 13H2, 21H22, 31H21 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H2, 13HA, 13H2, 13H3, 21H23, 13H4, 13H5, 13L, 13L4, 13H2, 13H3, 13H4, 13H2, 21H22, 31H21 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H3, 13H4, 13H2, 21H22, 31H21 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H3, 13H4, 13H2, 21H22, 31H21 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H3, 13H4, 13H2, 21H22, 31H21 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H2, 13H3, 13H4, 13H5, 21H21, 13H21, 13H2, 13H3, 13H4, 13H5, 13L, 13L4, 13H2, 13H4, 13H5, 13L, 13L4, 13H2, 13H2, 13H4, 13H5, 13L4, 13H2, 13H4, 13H5, 13L4, 13H2, 13H2, 13H4, 13H5, 13L4, 13H2, 13H2, 13H2, 13H2, 1		
Packing group (DOT):III - Minor DangerDOT Packaging Non Bulk (49 CFR 173.xxx):213DOT Packaging Bulk (49 CFR 173.xxx):240DOT Symbols:G - Identifies PSN requiring a technical nameDOT Special Provisions (49 CFR 172.102):B - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H22, 21H21, 21H22, 31H21 and 31H2); Fiberboard (11G, 11G) wooden (11C, 11D and 11F); Fiexible (13H1, 13H2, 13H2,		
DOT Packaging Non Bulk (49 CFR 173.xxx): 213DOT Packaging Bulk (49 CFR 173.xxx): 240DOT Symbols: G - Identifies PSN requiring a technical nameDOT Special Provisions (49 CFR 172.102): IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H22, 21H21, 21H22, 31H21 and 31H22); 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. T 1 - 1.5 178.274(d)(2) Normal		
DOT Packaging Bulk (49 CFR 173.xxx): 240DOT Symbols: G - Identifies PSN requiring a technical nameDOT Special Provisions (49 CFR 172.102): BB - Authorized IBCs: Metai (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H122, 21H21, 21H22, 31H21 and 31H22); 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 liner. T1 - 1.5 178.274(d)(2) Normal	Packing group (DOT)	: III - Minor Danger
DOT Symbols: G - Identifies PSN requiring a technical nameDOT Special Provisions (49 CFR 172.102): IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H22, 21H21, 21H22, 31H21 and 31H22); 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. T1 - 1.5 178.274(d)(2) Normal	DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Special Provisions (49 CFR 172.102): IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H22, 21H21, 21H22, 31H21 and 31H22); 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 iner. T1 - 1.5 178.274(d)(2) Normal	DOT Packaging Bulk (49 CFR 173.xxx)	: 240
 plastics (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, 13H4, 13H4, 13H4, 13H3, 13L4, 13M1 or 13M1 or 13M1 or 13M1). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal	DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Quantity Limitations Passenger aircraft/rail : 25 kg (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49) : 100 kg CFR 175.75) : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.	DOT Special Provisions (49 CFR 172.102)	 plastics (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. T1 - 1.5 178.274(d)(2) Normal
(49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 : 100 kg CFR 175.75) DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.	DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Quantity Limitations Cargo aircraft only (49 : 100 kg CFR 175.75) DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.		: 25 kg
passenger vessel.	DOT Quantity Limitations Cargo aircraft only (49	: 100 kg
Other information : No supplementary information available.	DOT Vessel Stowage Location	,
	Other information	: No supplementary information available.
	TDG	

No additional information available

Safety Data Sheet

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

Transport by sea	
UN-No. (IMDG)	: 3261
Proper Shipping Name (IMDG)	: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
Class (IMDG)	: 8 - Corrosive substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 3261
Proper Shipping Name (IATA)	: Corrosive solid, acidic, organic, n.o.s.
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

2-Bromo-1-(2-phenoxyphenyl)ethan-1-one CAS No 94402-42-3 100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

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

SECTION 16: Other information

Full text of H-phrases:

Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

NFPA health hazard

NFPA fire hazard NFPA reactivity

- : 3 Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
- : 1 Must be preheated before ignition can occur.
- : 0 Normally stable, even under fire exposure conditions, and are not reactive with water.

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

HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	 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)
Physical	: 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.

SDS US (GHS HazCom 2012)

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.