

Safety Data Sheet 1700U20

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/10/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 4-Bromo-3-fluoro-5-iodobenzyl bromide
CAS No	: -
Product code	: 1700-U-20
Formula	: C7H4Br2FI
Synonyms	: 2-Bromo-5-(bromomethyl)-1-fluoro-3-iodobenzene
Other means of identification	: MFCD28898316
1.2. Relevant identified uses of the sul	bstance 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 safet	y data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.co	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	n
2.1. Classification of the substance or	
Classification (GHS-US)Skin Corr. 1BH314 - Causes severe skin bEye Dam. 1H318 - Causes serious eye dSTOT SE 3H335 - May cause respiratoryFull text of H-phrases: see section 16	lamage
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS05 GHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	<ul> <li>H314 - Causes severe skin burns and eye damage</li> <li>H335 - May cause respiratory irritation</li> </ul>
Precautionary statements (GHS-US)	<ul> <li>P260 - Do not breathe dust, mist, spray</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting</li> <li>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse</li> </ul>

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

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

	20,			
2.3. Other hazards Other hazards not contributing to the : classification	Lachr	ymator.		
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on in	aredients		
3.1. Substance		greatento		
	Mono	-constituent		
	WONO			
Name		Product identifier	%	Classification (GHS-US)
4-Bromo-3-fluoro-5-iodobenzyl bromide (Main constituent)		(CAS No) -	<= 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 r possible). Move the affected personnel		
First-aid measures after inhalation :		ove 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 cal advice/attention.	contaminated cl	othing and shoes. Get immediate
First-aid measures after eye contact :		diately flush eyes thoroughly with water f nt and easy to do. Continue rinsing. Get		
First-aid measures after ingestion :		OT induce vomiting. Never give anything n 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	ed in the labelling (see section
Symptoms/injuries after inhalation :		ial is destructive to tissue of the mucuous ness of breath, headache, nausea.	s membranes ar	nd upper respiratory tract. Cough,
4.3. Indication of any immediate medical at	tentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
000		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 subst	tance o	or mixture		
Fire hazard :		nal decomposition generates: Carbon ox gen iodide.	ides. Hydrogen I	bromide. Hydrogen fluoride.
5.3. Advice for firefighters				
Firefighting instructions :	In cas	se of fire: Evacuate area.		
Protection during firefighting :		gas tight chemically protective clothing in atus. For further information refer to sect		
SECTION 6: Accidental release measu	res			
6.1. Personal precautions, protective equip		and emergency procedures		
		uate 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         :		ot attempt to take action without suitable to section 8: "Exposure controls/personal		ment. For further information

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

6.0 Environmental pressutions	
6.2. Environmental precautions	
Avoid release to the environment. Notify authori	ties if product enters sewers or public waters.
6.3. Methods and material for containm	ent and cleaning up
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, includi	ing any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials : Refer to Section 10 on Incompatible Materials.	
Storage area	: Store in dry, cool, well-ventilated area. Light sensitive.
SECTION OF Everyonic constraints	
SECTION 8: Exposure controls/pers	sonal 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
Relative density	: No data available
Flash point Relative evaporation rate (butyl acetate=1) Flammability (solid, gas) Explosion limits Explosive properties Oxidizing properties Vapor pressure	<ul> <li>No data available</li> </ul>

Safety Data Sheet

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

Relative vapor density at 20 °C	: No data available
Molecular mass	: 393.82 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

#### 9.2. Other information

No additional information available

SECTION 10: Stability and reactivity			
10.1.	Reactivity		
No addi	tional 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	tional information available		
10.4.	Conditions to avoid		
Keep away from heat, sparks and flame.			
10.5.	Incompatible materials		
Strong	bases. 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 toxicologica	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 (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

 Material is destructive to tissue of the mucuous membranes and upper respiratory tract. Cough, shortness of breath, headache, nausea.

SECTI	SECTION 12: Ecological information			
12.1.	Toxicity			
No addit	ional information available			
12.2.	Persistence and degradability			
No additional information available				
12.3.	Bioaccumulative potential			
No addit	ional information available			

Symptoms/injuries after inhalation

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

#### Mobility in soil 12.4.

No additional information available

#### 12.5. Other adverse effects

No additional information available

water-resistant liner. T1 - 1.5 178.274(d)(2) Normal	<b>SECTION 13: Disposal consideration</b>	S
Waste 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       : Recycle the material as far as possible.         Department of Transport information       : 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(es) (DOT)       :: 8 - Class 8 - Corrosive material 49 CFR 173.136         Hazard labels (DOT)       :: 8 - Corrosive         DOT Packaging Non Bulk (49 CFR 173.xxx)       :: 213         DOT Special Provisions (49 CFR 172.102)       :: B8 - Authorized IBCs: Metal (114, 118, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H, 11H2, 21H, 12H, 31H and 31H2); Corposate (11Hz, 11H2, 21H, 12H, 21H and 31H2); Rigid plastics (11H, 11H2, 21H, 12H, 21H, 21H, 21H, 21H,		
Additional information       : Recycle the material as far as possible.         SECTION 14: Transport information         Department of Transport 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 document description       : Corrosive solid, acidic, organic, n.o.s.         Transport hazard class(es) (DOT)       : B - Class 8 - Corrosive material 49 CFR 173.136         Hazard labels (DOT)       : III - Minor Danger         DOT Packaging Non Buk (49 CFR 173.xxx)       : 240         DOT Symbols       : G - Identifies PSN requiring a technical name         DOT Symbols       : BB - Autorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid         plastact (11H, 11H2, 21H, 21H, 21H, 21H, 21H, 21H,	Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
SECTION 14: Transport information         Department of Transportation (DOT)         In accordance with DOT         Transport document description       : 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)       :: 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         DOT Packaging Non Buk (49 CFR 173.xxx)       :: 240         DOT Special Provisions (49 CFR 173.xxx)       :: 240         DOT Special Provisions (49 CFR 172.102)       :: B - B - Authorized IECs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H, 11H2, 21H, 21H, 11H, 21H, 21H, 11H and 31H2); Composite (11H21, 11H22, 11H22, 13H21 and 31H2); Floreboard (11G); Wooden (11C, 11D and 11F); Flexible (13H, 13H2, 31H4, 31H4	Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Department of Transport document description       : UN3261 Corrosive solid, acidic, organic, n.o.s., 8, III         UN-No.(DOT)       :: UN3261         Proper Shipping Name (DDT)       :: Corrosive solid, acidic, organic, n.o.s.         Transport Academic dass(es) (DOT)       ::: Corrosive solid, acidic, organic, n.o.s.         Transport hazard class(es) (DOT)       ::: Corrosive solid, acidic, organic, n.o.s.         Hazard labels (DOT)       ::: Corrosive         Packing group (DOT)       ::: III - Minor Danger         DOT Packaging Bulk (49 CFR 173.xxx)       ::: 243         DOT Symbols       ::: Go - Identifies PSN requiring a technical name         DOT Symbols       ::: B8 - Authorized IBCs:: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 23H11 and 31H2, 22, 21H22, 31H12, 13H31 and 31H2, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13H3 and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 23H21, 31H12, 13H31 and 31H2, 11H2, 21H2, 21H21, 31H12, 21H2, 31H1 and 31H2, 21H2, 21H21, 31H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13H3 and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 21H2, 31H1 and 31H2, 11H2, 21H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13H3 and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 21H2, 31H1 and 31H2, 13H3, 13H4, 13H5, 13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13H3 and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 21H2, 21H2, 31H1 and 31H2, 13H3, 13H4, 13H5, 13H1, 13H2, 13H3, 13H4, 13H5, 13H1, 13	Additional information	: Recycle the material as far as possible.
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(es) (DOT) : Corrosive solid, acidic, organic, n.o.s. Transport hazard class(es) (DOT) : Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : S - Corrosive Packing group (DOT) : UI-State DOT Packaging Non Bulk (49 CFR 173.xxx) : 240 DOT Symbols : G - Identifies PSN requiring a technical name DDT Special Provisions (49 CFR 172.102) : IB- Authorized IBCs: Metal (114, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H1, 21H1, 21H1, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H22, 21H21, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitter of and water-resistant or must be there retify group II. Tor Solid Substances of packing group II. unspecial provisions of portable tank instruction 74 for solid substances of the solid subst	SECTION 14: Transport information	
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 & - Corrosive material 49 CFR 173.136Hazard labels (DOT): 8 - Class & - CorrosivePacking group (DOT): III - Minor DangerDOT Packaging Non Bulk (49 CFR 173.xxx): 213DOT Packaging Bulk (49 CFR 173.xxx): G - Identifies PSN requiring a technical nameDOT Special Provisions (49 CFR 172.102): IB - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); RigdPlastic Statistic St	Department of Transportation (DOT)	
UN-No.(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)       :       III - Minor Danger         DOT Packaging Non Bulk (49 CFR 173.xxx)       :       213         DOT Packaging Bulk (49 CFR 173.xxx)       :       240         DOT Special Provisions (49 CFR 172.102)       :       IB8 - Authorized IBCs: Metal (11A, 11B, 111A, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plants (11H, 11H, 211, 21H, 21A, 21H, 21H, 21A, 21H, 21H, 21H, 21H, 21H, 21H, 21H, 21H	In accordance with DOT	
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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): IB - 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; TSPH200en (11G, IV 000en (11G, IV 00en (11G, IV	Proper Shipping Name (DOT)	: Corrosive solid, acidic, organic, n.o.s.
Hazard labels (DOT)       : 8 - Corrosive         Packing group (DOT)       : III - Minor Danger         DOT Packaging Non Bulk (49 CFR 173.xxx)       : 213         DOT Special Provisions (49 CFR 173.xxx)       : 240         DOT Special Provisions (49 CFR 172.102)       : IB8 - Authorized IBCs: Metal (11A, 11B, 11A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 21H1, 21H2, 21H1, 21G, composite (1H21, 11H2, 21H2, 21H2, 21H2, 31H2 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L4, 13J3, 13L4, 13M1 or 13M2), IP3 - Flexible IBCs: metal of for solid subtance applies for granular and powerer soits and for solid swich are filled and discharged at temperatures above their melting point are authorized for transportation in portable tank instruction assigned for this substance stores there stringent tank instruction and signed as a solid mass. Solid substances of packing group III or T7 for solid substances of packing group III, unless a tank with more stringent tank instruction as sequed at the special provisions shall apply. Filling limits must be and shore with prable tank instruction of an elevated temperature material must be transported in accordance with portable tank instruction of an elevated temperature material must be transported in accordance with portable tank instruction of this substances of packing 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 instruction and special provision fP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with portable tank instruction and special provision fP3. Solids meeting the definition of an elevated temperatu		
Packing group (DOT)       :       III - Minor Danger         DOT Packaging Non Bulk (49 CFR 173.xxx)       :       213         DOT Symbols       :       G - Identifies PSN requiring a technical name         DOT Special Provisions (49 CFR 172.102)       :       BB - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21H21, 21HZ2, 31H21 and 31H22); Fiberboard (11G); Wooden (11C, 11D and 11F); Fiexible (13H1, 13H2, 13H3, 13H4, 13H5, 13H, 13H2, 13H3, 13H4, 13H5, 13H2, 13H3, 13H2, 13H2, 13H3, 13H2, 13H2, 13H2, 13H3, 13H2, 13H3, 13H2, 13H3, 13H2, 13H3, 13H2, 13H3, 13H2, 13H2, 13H3, 13H2, 13H3, 13H2, 13H2, 13H3, 13H2, 13H2, 13H3, 13H2, 13H4, 13H5, 13H2, 13H3, 13H2, 13H2, 13H3, 13H		
DOT Packaging Non Bulk (49 CFR 173.xxx)       : 213         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 (11H1, 11H2, 21H1, 21H1, 21H1, 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 timer.       T1 - 1.5 178.274(d)(2) Normal		8
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 (11H1, 11H2, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 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)         TP33 - Flexible IBCS must be sift-proof and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances of packing group III or T7 for solid substances of packing group III or T7 for solid substances of packing group III or T7 for solid substances of packing group III or T7 for solid substances of packing group III or T7 for solid substances of packing group III or T7 for solid substances of packing group III or T83. T84.         DOT Packaging Exceptions (49 CFR 173.xxx)       : 154         DOT Quantity Limitations Passenger aircraft/rail       : 25 kg         (49 CFR 173.27)       : 100 kg         CFR 175.75)       : 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.	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 iner. 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: Meial (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11H21, 11H22, 21H27, 21H122, 31H21 and 31H22); Fiberboard (11G, 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 Bulk (49 CFR 173.xxx)	: 240
<ul> <li>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, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).</li> <li>IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner.</li> <li>T1 - 1.5 178.274(d)(2) Normal</li></ul>	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)       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)	<ul> <li>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).</li> <li>IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner.</li> <li>T1 - 1.5 178.274(d)(2) Normal</li></ul>
(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.		
	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:

4-Bromo-3-fluoro-5-iodobenzyl bromide CAS No - 100%
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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

: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard NFPA reactivity

- : 0 Materials that will not burn.
- : 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	: 0 Minimal Hazard - Materials that will not burn
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.