

Safety Data Sheet CXBI061 Date of issue: 07/24/2015 Versio Version: 1.0

SECTION 1: Identification of the su	botom ool			
	ostance/	mixture and of the com	pany/undertaking	
.1. Product identifier				
roduct form	: Mixtur	e		
hysical state	: Liquid			
roduct name		JTH NEODECANOATE, 70% ii	neodecanoic acid	
roduct code	: CXBI0			
ormula		57BiO6		
ynonyms		JTH 1,1-DIMETHYLOCTANOA	TE; NEODECANOIC AG	CID, BISMUTH SALT
chemical family	: META	L COMPOUND		
.2. Relevant identified uses of the sub			linst	
lse of the substance/mixture		ical intermediate search and industrial use only		
.3. Details of the supplier of the safety	/ data shee	t		
SELEST, INC. 1 East Steel Road Morrisville, PA 19067 ISA 215-547-1015 - F 215-547-2484 - (M-F): 8:00 Nofo@gelest.com - www.gelest.com) AM - 5:30	PM EST		
.4. Emergency telephone number				
mergency number	: CHEM	ITREC: 1-800-424-9300 (USA)	; +1 703-527-3887 (Inte	rnational)
ECTION 2: Hazards identification				
.1. Classification of the substance or	mixture			
Classification (GHS-US)				
ye Irrit. 2A H319 full text of H-phrases: see section 16				
.2. Label elements				
SHS-US labeling				
lazard pictograms (GHS-US)	G	I HS07		
ignal word (GHS-US)	: Warnii	ng		
lazard statements (GHS-US)	: H319·	- Causes serious eye irritation		
recautionary statements (GHS-US)	P264 - P305+ contac	Wear protective gloves/protective gloves/protective Wash hands thoroughly after lipe351+P338 - IF IN EYES: Rins to the lineses, if present and easy to P313 - If eye irritation persists:	nandling se cautiously with water do. Continue rinsing	for several minutes. Remove
.3. Other hazards				
lo additional information available				
.4. Unknown acute toxicity (GHS US)				
lo data available				
ECTION 3: Composition/information	on <u>on inc</u>	gredients		
.1. Substance				
lot applicable				
.2. Mixture				
Name		Product identifier	%	Classification (GHS-US)
		(CAS No) 62804-17-5	65 - 75	Eye Irrit. 2A, H319
Bismuth neodecanoate			00 10	

BISMUTH NEODECANOATE, 70% in neodecanoic acid Safety Data Sheet

SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general		and shoes. In case of accident or if you feel unwell, seek w the label where possible). If possible show this sheet; if i el.	not
First-aid measures after inhalation	1 0 0	eep at rest in a position comfortable for breathing. If you fee	el
First-aid measures after skin contact	Wash with plenty of soap and w	ater.	
First-aid measures after eye contact	present and easy to do. Continu	ly with water for at least 15 minutes. Remove contact lense e rinsing. Get medical advice/attention.	əs, if
First-aid measures after ingestion	Never give anything by mouth to	an unconscious person. Get medical advice/attention.	
4.2. Most important symptoms and effects	· · · · · ·		
Symptoms/injuries after inhalation	May cause irritation to the respi	atory tract.	
Symptoms/injuries after skin contact Symptoms/injuries after eye contact	May cause skin irritation. Causes serious eye irritation.		
Symptoms/injuries after ingestion	•	have moderate to low toxicity. High levels of ingestion resu plumbism.	lt in
4.3. Indication of any immediate medical a	ttention and special treatment	eeded	
No additional information available			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
• •	Water spray. Foam. Carbon dio	ide. Dry chemical.	
	None known.		
5.2. Special hazards arising from the subs	tance or mixture		
Fire hazard	Irritating fumes and organic acid	vapors may develop when material is exposed to elevated	1
	temperatures or open flame.		
5.3. Advice for firefighters			
Firefighting instructions		surfaces. Exercise caution when fighting any chemical fire	
Protection during firefighting	Do not enter fire area without pu Avoid contact with skin and eye	oper protective equipment, including respiratory protection. 5. Do not breathe dust.	
SECTION 6: Accidental release measure	ires		
6.1. Personal precautions, protective equi	pment and emergency procedu	res	
6.1.1. For non-emergency personnel			
Protective equipment	Wear protective equipment as c	escribed in Section 8.	
Emergency procedures	Evacuate unnecessary personn	əl.	
6.1.2. For emergency responders			
Protective equipment		hout suitable protective equipment. Equip cleanup crew wit ormation refer to section 8: "Exposure controls/personal	th
6.2. Environmental precautions			
Prevent entry to sewers and public waters. Notify a	authorities if product enters sewers	or public waters.	
6.3. Methods and material for containmen	t and cleaning up		
Methods for cleaning up	Clean up any spills as soon as shovel spills into appropriate co	ossible, using an absorbent material to collect it. Sweep or ntainer for disposal.	
6.4. Reference to other sections			
See Heading 8. Exposure controls and personal p	otection.		
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	Avoid all eye and skin contact a process area to prevent accume	nd do not breathe vapor and mist. Provide good ventilation lation of vapors.	in
Hygiene measures		areas with mild soap and water before eating, drinking or . Wash contaminated clothing before reuse.	
7.2. Conditions for safe storage, including	any incompatibilities		
-	Keep container tightly closed.		
Incompatible materials	Water.		
Storage area	Store in a well-ventilated place.	Store away from heat.	
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7.3. Specific end use(s) No additional information available	
SECTION 8: Exposure controls/pers	sonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls	: Provide local exhaust or general room ventilation.
Personal protective equipment	: Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should b
	available in the immediate vicinity of any potential exposure.
Hand protection	: Neoprene or nitrile rubber gloves.
Eye protection	: Chemical goggles. Contact lenses should not be worn.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified dust and mist (orange cartridge) respirator.
SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Appearance	: Liquid. Viscous.
Molecular mass	: 722.71 g/mol
Color	: Amber. Brown.
Odor	: No data available
Odor threshold	: No data available
Refractive index	: 1.4772
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 110 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: 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	: 1.16
VOC content	
Solubility	: Insoluble in water. Organic solvent:Soluble: hexane, methanol, toluene
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivit	y
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable.	
10.3. Possibility of hazardous reactions	
Material decomposes slowly in contact with air	by reaction with water and carbon dioxide.
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10.4. Conditions to avoid			
Heat. Open flame. Sparks.			
10.5. Incompatible materials			
Water.			
10.6 Hezerdeus decomposition products			
10.6. Hazardous decomposition products Organic acid vapors. Bismuth oxide fumes.			
SECTION 11: Toxicological informati	on		
11.1. Information on toxicological effects			
Acute toxicity	: Not classified		
Neodecanoic acid (26896-20-8)			
LD50 oral rat	2000 mg/kg		
LD50 dermal rabbit	> 3160 mg/kg		
LC50 inhalation rat	> 3000 mg/kg		
ATE US (oral)	2000.000 mg/kg body weight		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation	: Causes serious eye irritation.		
Respiratory or skin sensitization Germ cell mutagenicity	: Not classified : Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
Specific target organ toxicity (single exposure)	: Not classified		
Specific target organ toxicity (repeated exposure)	: Not classified		
Aspiration hazard	: Not classified		
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.		
Symptoms/injuries after skin contact	: May cause skin irritation.		
Symptoms/injuries after eye contact	: Causes serious eye irritation.		
Symptoms/injuries after ingestion	Symptoms/injuries after ingestion : In general, bismuth compounds have moderate to low toxicity. High levels of ingestion result in a dark line in the gums, similar to plumbism.		
Reason for classification	: Expert judgment		
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			
Effect on ozone layer	: No additional information available		
Effect on the global warming	: No known ecological damage caused by this product.		
SECTION 13: Disposal consideration	e		
13.1. Waste treatment methods			
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.		
Ecology - waste materials	: Avoid release to the environment.		
SECTION 14: Transport information			
14.1. UN number			
Not regulated for transport.			
14.2. UN proper shipping name			
Not applicable			

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14.3. Additional info	rmation			
Other information	:	No supplementary informatic	n available.	
Transport by sea				
No additional informatio	n available			
Air transport				
No additional informatio				
•	ulatory information			
15.1. US Federal regul				
	NOATE, 70% in neodecano	· · ·		
TSCA Exemption/Excl		R&D exemption under TSCA exemption, including supervi	upplied for research and developr , 40 CFR 720.36, and must meet t sion by a "technically qualified indi aterial for "commercial purposes" States.	the requirements of the vidual" as defined by 40 CFR
Bismuth neodecanoa	ate (62804-17-5)			
Not listed on the Unite	d States TSCA (Toxic Subst	ances Control Act) inventory		
Neodecanoic acid (20	6896-20-8)			
Listed on the United S	tates TSCA (Toxic Substanc	es Control Act) inventory		
15.2. International reg	ulations			
Neodecanoic acid (20	6896-20-8)			
Listed on IECSC (Inve Listed on the Canadian Listed on NZIoC (New Listed on PICCS (Phili	n DSL (Domestic Sustances Zealand Inventory of Chemi ppines Inventory of Chemica	ubstances Produced or Impo)	
15.3. US State regulati	ons			
BISMUTH NEODECAN	OATE, 70% in neodecanoic	acid(62804-17-5)		
U.S California - Propo	sition 65 - Carcinogens List	No		
U.S California - Propo Toxicity	sition 65 - Developmental	No		
U.S California - Propo Toxicity - Female	sition 65 - Reproductive	No		
U.S California - Propo Toxicity - Male	sition 65 - Reproductive	No		
Bismuth neodecanoat	e (62804-17-5)			
U.S California - Proposition 65 -	U.S California - Proposition 65 -	U.S California - Proposition 65 -	U.S California - Proposition 65 -	No significance risk le (NSRL)

U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
No	No	No	No	
Neodecanoic acid (26896-20-8)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
No	No	No	No	

SECTION 16: Other information

Abbreviations and acronyms

: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development.

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Full text of H-phrases::				
	Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4		
	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A		
	H302	Harmful if swallowed		
	H319	Causes serious eye irritation		

HMIS III Rating

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability Physical

Health

: 1 Slight Hazard : 0 Minimal Hazard

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SDS US (GHS HazCom 2012) - Custom

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

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