

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 09/02/2021 Version: 1.0

SECTION 1: Identification					
	Identification				
1.1.	ct form	: Substance			
Trade			040 purified		
CAS-N		: Toluidine blue O, C.I. 52	040, pullieu		
		: 92-31-9			
	ct code	: 15931			
Formu		: C15H16CIN3S	naina 7 (dina dha da naina	A Dimensional state of the s	- / Talawiyya ablayida
Synon	lyms	: Phenothiazin-5-ium, 3-a	mino-7-(dimethylamino	b)-2-metnyi-, chioria	e / Tolonium chioride
1.2.	Recommended use and restrictions or				
Recon	nmended use	: Use as laboratory reage	nt, Manufacture of sub	ostances	
1.3.	Supplier				
400 Va Warrin T +1 2	ier siences alley Road Igton, PA 18976 - United States 15 343 6484 - F +1 215 343 0214 polysciences.com - <u>www.polysciences.com</u>				
1.4.	Emergency telephone number				
Emerg	jency number	: 24-hour emergency pho	ne number ChemTel 1	-800-255-3924	
OFOT	ION 2: Horowd(a) identification				
<u>3EGT</u> 2.1.	ION 2: Hazard(s) identification Classification of the substance or mix				
		lure			
	S classification				
Not clas	sified				
2.2.	GHS Label elements, including precau	tionary statements			
	S labeling				
	ling applicable				
2.3.	Other hazards which do not result in c	lassification			
No addi	tional information available				
2.4.	Unknown acute toxicity (GHS US)				
Not app					
	ION 3: Composition/Information	on ingradianta			
		on ingreatents			
3.1.	Substances				
Nam				%	GHS US classification
	dine blue O, C.I. 52040, purified constituent)		(CAS-No.) 92-31-9	≤ 100	Not classified
	of hazard classes and H-statements : see	section 16	1	I	
3.2.	Mixtures				
Not app					
	ION 4: First-aid measures				
4.1. Description of first aid measures					
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.					
First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.					
		•			
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.					
4.2.	Most important symptoms and effects	(acute and delayed)			
No addi	tional information available				

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4.3.	Immediate medical attention and special treatment, if necessary				
Treat symptomatically.					
SECT	ION 5: Fire-fighting measures				
5.1.	Suitable (and unsuitable) extinguishin	ng media			
Suitab	le extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.			
5.2.	Specific hazards arising from the che	mical			
Hazar fire	dous decomposition products in case of	: Toxic fumes may be released.			
5.3.	Special protective equipment and pre	cautions for fire-fighters			
Protec	tion during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.			
SECT	ON 6: Accidental release meas	ures			
6.1.	Personal precautions, protective equ	ipment and emergency procedures			
6.1.1.	For non-emergency personnel				
Emerg	ency procedures	: Ventilate spillage area.			
6.1.2.	For emergency responders				
Protec	tive equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".			
6.2.	Environmental precautions				
Avoid re	elease to the environment.				
6.3.	Methods and material for containmen	•			
	ds for cleaning up	: Take up liquid spill into absorbent material.			
Other	information	: Dispose of materials or solid residues at an authorized site.			
6.4.	Reference to other sections				
For furt	ner information refer to section 13.				
SECT	ON 7: Handling and storage				
7.1.	Precautions for safe handling				
	utions for safe handling ne measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the 			
		product.			
7.2.	Conditions for safe storage, including e conditions	: Store in a well-ventilated place. Keep cool. Store at room temp.			
Storag					
SECT	ON 8: Exposure controls/perso	nal protection			
8.1.	Control parameters				
Tolu	idine blue O, C.I. 52040, purified (92-31-	9)			
No a	dditional information available				
8.2.	Appropriate engineering controls				
•••	priate engineering controls	: Ensure good ventilation of the work station.			
Enviro	nmental exposure controls	: Avoid release to the environment.			
8.3.	Individual protection measures/Perso	nal protective equipment			
Hand protection:					
Protective gloves					
Eye protection:					
Safety glasses					
Skin and body protection:					
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Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

 9.1.
 Information on basic physical and chemical properties

 Physical state
 : Liquid

5	1
Appearance	: Dark green crystals.
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: Not applicable
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)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
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

No additional information available

SECTION 10: Stability and reactivity		
10.1. Reactivity		
The product is non-reactive under normal conditions of use, storage and transport.		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
No dangerous reactions known under normal conditions of use.		
10.4. Conditions to avoid		
None under recommended storage and handling conditions (see section 7).		
10.5. Incompatible materials		

No additional information available

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information			
11.1. Information on toxicological e	ffects		
Acute toxicity (oral)	: Not classified		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation	: Not classified		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
STOT-single exposure	: Not classified		
STOT-repeated exposure	: Not classified		
Aspiration hazard	: Not classified		
Viscosity, kinematic	: No data available		

SECTION 12: Ecological information			
12.1.	Toxicity		
Ecolog	ıy - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.	
12.2.	Persistence and degradability		
No addi	tional information available		
12.3.	Bioaccumulative potential		
No addi	tional information available		
12.4.	Mobility in soil		
No addi	tional information available		
12.5.	Other adverse effects		
No addit	tional information available		

SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
Department of Transportation (DOT) In accordance with DOT	

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

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Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Toluidine blue O, C.I. 52040, purified (92-31-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Toluidine blue O, C.I. 52040, purified (92-31-9)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Toluidine blue O, C.I. 52040, purified (92-31-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Toluidine blue O, C.I. 52040, purified (92-31-9)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

SECTION 16: Other information

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SDS US (GHS HazCom 2012)

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