

Safety Data Sheet 9H30100 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/17/2018 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: Zn(II) meso-Tetra(4-sulfonatophenyl)porphine	
CAS No	: 56047-87-1	perprinte	
Product code	: 9H30-1-00		
Formula	: C44H28N4O12S4Zn		
Synonyms	: meso-Tetra(4-sulfonatophenyl)porph	nine Zn(II) ZnTPPS	
Other means of identification	: MFCD31619566		
1.2. Relevant identified uses of the subst		ainst	
Use of the substance/mixture	: Laboratory chemicals	anist	
	Manufacture of substances Scientific research and development		
1.3. Details of the supplier of the safety d	ata 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.com	L		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Acco	ount 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or mi	vturo		
	xture		
Classification (GHS-US) Acute Tox. 4 (Oral) H302 - Harmful if swa			
Acute Tox. 4 (Dermal)H312 - Harmful in conAcute Tox. 4 (Inhalation)H332 - Harmful if inhaSkin Irrit. 2H315 - Causes skin iEye Irrit. 2AH319 - Causes seriooSTOT SE 3H335 - May cause re	aled rritation us eye irritation		
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	CHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H302+H312+H332 - Harmful if swall H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritati	owed, in contact with skin or if inhaled	
Precautionary statements (GHS-US)	P261 - Avoid breathing dust/fume/ga P264 - Wash skin thoroughly after h P270 - Do not eat, drink or smoke w P271 - Use only outdoors or in a we P280 - Wear protective gloves/prote P301+P312 - If swallowed: Call a P0 P302+P352 - If on skin: Wash with p P304+P340 - If inhaled: Remove pe P305+P351+P338 - If in eyes: Rinse lenses, if present and easy to do. Co P312 - Call a POISON CENTER or of	as/mist/vapors/spray andling hen using this product I-ventilated area ctive clothing/eye protection/face protection DISON CENTER or doctor/ physician if you fe lenty of soap and water rson to fresh air and keep comfortable for bre e cautiously with water for several minutes. Re ontinue rinsing	athing
	P321 - Specific treatment (see supp	emental first aid instructions on this label)	

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	P330 - Rinse mouth P332+P313 - If skin irritation occurs: G P337+P313 - If eye irritation persists: G P362+P364 - Take off contaminated cli P403+P233 - Store in a well-ventilated P405 - Store locked up P501 - Dispose of contents/container to	Get medical advice/at othing and wash it be place. Keep containe	tention fore reuse er tightly closed
2.3. Other hazards			
No additional information available			
2.4. Unknown acute toxicity (GHS US) Not applicable			
SECTION 3: Composition/information	on ingradiants		
3.1. Substance	on ingredients		
	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
Zn(II) meso-Tetra(4-sulfonatophenyl)porphine	(CAS No) 56047-87-1	<= 100	Acute Tox. 4 (Oral), H302
(Main constituent)			Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16			
3.2. Mixture			
Not applicable			
SECTION 4: First aid measures			
.1. Description of first aid measures			
u u u u u u u u u u u u u u u u u u u	: In case of accident or if you feel unwell where possible). Move the affected per	sonnel away from the	e contaminated area.
	Remove person to fresh air and keep c respiration. Get immediate medical adv	vice/attention.	
	: Wash with plenty of soap and water. Re medical advice/attention.		-
	Immediately flush eyes thoroughly with present and easy to do. Continue rinsir	ng. Get immediate me	edical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give a mouth out with water. Get immediate m		
I.2. Most important symptoms and effects			
Symptoms/injuries	: The most important known symptoms a 2.2) and/or in section 11.	and effects are descri	bed in the labelling (see section
Symptoms/injuries after inhalation	: Material is destructive to tissue of the n shortness of breath, headache, nausea		and upper respiratory tract. Cough,
	attention and special treatment needed		
Freat symptomatically.			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide appropriate for surrounding fire.	. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the sub-	stance or mixture		
ire hazard	: Thermal decomposition generates: Car	bon oxides. Nitrogen	oxides. Sulfur oxides. Zinc oxide.
.3. Advice for firefighters			
5 5	In case of fire: Evacuate area.		
Protection during firefighting	: Wear gas tight chemically protective cle apparatus. For further information refer		
SECTION 6: Accidental release measure	Ires		
.1. Personal precautions, protective equ	pment and emergency procedures		

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6.1.1. For non-emergency person	nel
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For emergency responders	i de la constante d
Protective 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	i de la constante de la constan
Avoid release to the environment. Notif	y authorities if product enters sewers or public waters.
6.3. Methods and material for c	ontainment 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	S
No additional information available	
SECTION 7: Handling and sto	prage
7.1. Precautions for safe handli	ing
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	e, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.
In a survey of the law of a standala	: Refer to Section 10 on Incompatible Materials.
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 an	d 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

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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
Relative vapor density at 20 °C	: No data available
Molecular mass	: 998.382 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 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

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: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

Zn(II) meso-Tetra(4-sulfonatophenyl)porphine (56047-87-1)			
ATE US (oral)	500.000 mg/kg body weight		
ATE US (dermal)	1100.000 mg/kg body weight		
ATE US (gases)	4500.000 ppmV/4h		
ATE US (vapors)	11.000 mg/l/4h		
ATE US (dust, mist)	1.500 mg/l/4h		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	: Causes serious eye irritation.		
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		
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Symptoms/injuries after inhalation

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

12.1.	Toxicity	
No addit	tional information available	
12.2.	Persistence and degradability	
No addi	tional information available	
12.3.	Bioaccumulative potential	
No additional information available		
12.4.	Mobility in soil	
No addi	tional information available	
12.5.	Other adverse effects	

SECTION 13: Disposal consider	ations	
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
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		
Department of Transportation (DOT)		

Department of Transportation (DOT)

In accordance with DOT Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

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:

Zinc(II) meso-tetra(4-sulfonatophenyl)porphine	CAS No 56047-87-1	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

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SECTION 16: Other information

	Acute Tox. 4 (Dermal)		Acute toxicity (dermal) Category 4
	Acute Tox. 4 (Inhalation)		Acute toxicity (inhalation) Category 4
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4
	Eye Irrit. 2A		Serious eye damage/eye irritation Category 2A
	Skin Irrit. 2		Skin corrosion/irritation Category 2
	STOT SE 3		Specific target organ toxicity (single exposure) Category 3
	H302		Harmful if swallowed
	H312		Harmful in contact with skin
	H315		Causes skin irritation
	H319		Causes serious eye irritation
	H332		Harmful if inhaled
	H335		May cause respiratory irritation
NFPA f	nealth hazard ire hazard reactivity	:	 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. 0 - Materials that will not burn. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS I	II Rating		
Health		:	3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flamma	ability	:	0 Minimal Hazard - Materials that will not burn
Physica	al	:	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.