

UL-29



Polymer Chemicals Group
471 Highway 3142
Hahnville, LA 70057
(985) 783-6201
(985) 783-2330 Fax

Synthetic Surf
451 Callahan Rd SE
Dalton GA 30721

Attn: *Chase Cloer*

Sales Order # *4101786*
Customer P. O. # _____

Below please find the analytical values for the sample shipped to you from our Taft, LA plant.

Date Shipped: *8.12.19*

Demree UL-29
41324
1.0
1.4986
1.0790
15.9

PRODUCT

LOT NUMBER

COLOR

REFRACTIVE INDEX

SPECIFIC GRAVITY

% TIN

I trust the above is satisfactory for your purposes. If you require additional information, please call.

Sincerely,

Narada Deme



Issue Date 24-Jun-2013

Revision Date 05-Sep-2018

Version 4

1. IDENTIFICATION

Product identifier

FOMREZ® UL-29

Product name

Other means of identification

FG00276

Product code

Preparation containing organotin compounds

Synonyms

Recommended use of the chemical and restrictions on use

Catalyst.

Biocidal products

Recommended Use

Uses advised against

Supplier's details

Manufacturer Address

Galata Chemicals, LLC
471 Highway 3142
Hahnville LA 70057 USA

Emergency telephone number

Chemical Emergency Phone

Number

Emergency telephone

Global except China: + 1-760-476-3971 Access code 333256 (24 hours)

Global except China: + 1-760-476-3971 Access code 333256 (24 hours)

China:

+86 4001 2001 74

Customer Service

North America

+1 877-721-9671

EU/Middle East/Africa

+49 6206 95 7777

Asia Pacific

us-orders@galatachemicals.com

emea-orders@galatachemicals.com

ap-orders@galatachemicals.com

E-mail Address

MSDS@galatachemicals.com

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Oral

Skin sensitization

Specific target organ toxicity (repeated exposure)

Category 4

Category 1

Category 1

GHS Label elements, including

precautionary statements

Emergency Overview

DANGER

Hazard statements

Harmful if swallowed

May cause an allergic skin reaction

Causes damage to organs through prolonged or repeated exposure

Harmful to aquatic life with long lasting effects



Appearance clear

Physical state Liquid

Odor Characteristic

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing and eye/face protection
 Do not eat, drink or smoke when using this product
 Do not breathe dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace
 Avoid release to the environment

Precautionary Statements - Response

Get medical advice/attention if you feel unwell
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 Rinse mouth
 Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other information

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Synonyms

Preparation containing organotin compounds.

Chemical Name	CAS No	Weight-%	Trade Secret
diisooctyl 2,2'-[[dioctylstannylene]bis(thio)]diacetate	26401-97-8	75 - 80	*
triisooctyl 2,2',2''-[(octylstannylidene)tris(thio)]triacetate	26401-86-5	10 - 15	*
2,2-dioctyl-1,3,2-oxathia-stannolan-5-one	15535-79-2	5 - 10	*
isooctyl mercaptoacetate	25103-09-7	< 2	*

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes**General advice**

Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. If symptoms persist, call a physician.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Do not rub affected area. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water. May cause an allergic skin reaction. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use. Destroy contaminated shoes.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Get medical attention immediately if symptoms occur. Never give anything by mouth to an unconscious person.

Protection of First-aiders

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms/effects, acute and delayed**Main Symptoms**

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Redness, rash.

Indication of immediate medical attention and special treatment needed, if necessary**Notes to physician**

May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, CO₂, sand, earth, water spray or regular foam. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire. Cool containers / tanks with water spray.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. Runoff may pollute waterways.

Hazardous Combustion Products

Carbon oxides Sulfur oxides Oxides of tin

Explosion Data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal precautions**

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Other information

Ventilate the area.

Environmental precautions**Environmental precautions**

Do not flush into surface water or sanitary sewer system. Should not be released into the environment. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Clean contaminated surface thoroughly.

Prevention of secondary hazards

See Section 12 for additional Ecological Information.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on safe handling**

Prevent splashing and leaking of product. Prevent the formation of vapors, mists and aerosols. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Wear personal protective equipment. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

Incompatible products

Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
diisooctyl 2,2'-[[[dicyl(istannylene)bis(thio)]dia cetate 26401-97-8	STEL: 0.2 mg/m ³ Sn TWA: 0.1 mg/m ³ Sn S*	TWA: 0.1 mg/m ³ Sn (vacated) TWA: 0.1 mg/m ³ Sn (vacated) S*	IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn
triisooctyl 2,2',2"-[[[octylstannylidene)tris(thio)]t riacetate 26401-86-5	STEL: 0.2 mg/m ³ Sn TWA: 0.1 mg/m ³ Sn S*	TWA: 0.1 mg/m ³ Sn (vacated) TWA: 0.1 mg/m ³ Sn (vacated) S*	IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn
2,2-dioctyl-1,3,2-oxathiaastannolan-5 -one 15535-79-2	STEL: 0.2 mg/m ³ Sn TWA: 0.1 mg/m ³ Sn S*	TWA: 0.1 mg/m ³ Sn (vacated) TWA: 0.1 mg/m ³ Sn (vacated) S*	IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn
isooctyl mercaptoacetate 25103-09-7	--	--	--

NIOSH IDLH: Immediately Dangerous to Life or Health**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls**Engineering Measures**

Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Tightly fitting safety goggles. If splashes are likely to occur, wear: Face-shield.

Skin and body protection

Long sleeved clothing. Impervious gloves. Chemical resistant apron. Rubber or plastic boots.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Provide regular cleaning of equipment, work area and clothing. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Use personal protective equipment as required. Keep working clothes separately. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties**Physical state**

Appearance Liquid
Color clear
colorless or slight yellow

Odor Characteristic
Odor threshold No information available

Property**Remarks • Methods**

200 g/L in a water suspension @ 20 °C

pH No information available

Melting/freezing point

> 250 °C

Decomposes

Boiling point/boiling range

117 °C

Closed cup

Flash Point

Evaporation rate

Flammability (solid, gas)

Flammability Limits in Air

upper flammability limit

lower flammability limit

Vapor pressure

Vapor density

Specific gravity

Water solubility

Solubility in other solvents

Partition coefficient: n-octanol/water

> 300 °C

> 250 C

Autoignition temperature

Decomposition temperature

Viscosity, kinematic

Viscosity, dynamic

Explosive properties

Oxidizing Properties

Other information

Softening point

Molecular weight

VOC Content (%)

Density

Bulk density

@ 20 °C

20 - 100 mPa s

Not explosive

Not applicable

No information available

No information available

None

1.08 g/cm³ @ 20 C

No information available

DIN 51757

Practically insoluble

soluble

10. STABILITY AND REACTIVITY

Reactivity

Not applicable

Chemical stability

Stable under recommended storage conditions.

Customer Care

Other adverse effects
Endocrine Disruptor Information
Ozone

- This product does not contain any known or suspected endocrine disruptors
 Not applicable

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Can be incinerated, when in compliance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
diisooctyl 2,2'-[[dioctylstannylene]bis(thio)]diacetate 26401-97-8	-	-	**	-
triisooctyl 2,2',2''-[(octylstannylidyne)tris(thio)]triacetate 26401-86-5	-	-	**	-
2,2-dioctyl-1,3,2-oxathiastannolan-5-one 15535-79-2	-	-	**	-
isooctyl mercaptoacetate 25103-09-7	-	-	**	-

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
diisooctyl 2,2'-[[dioctylstannylene]bis(thio)]diacetate 26401-97-8	Toxic
triisooctyl 2,2',2''-[(octylstannylidyne)tris(thio)]triacetate 26401-86-5	Toxic
2,2-dioctyl-1,3,2-oxathiastannolan-5-one 15535-79-2	Toxic
isooctyl mercaptoacetate 25103-09-7	--

14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

MEX

Not regulated

ICAO

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

- TSCA Complies
 - DSL/NDSL Listed on NDSL
 - EINECS/ELINCS Complies
 - ENCS Complies
 - IECSC -
 - KECL -
 - PICCS -
 - AICS Complies
- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

- Acute Health Hazard Yes
- Chronic Health Hazard Yes
- Fire Hazard no
- Sudden Release of Pressure Hazard no
- Reactive Hazard no

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
diisooctyl 2,2'-[(dioctylstannylene)bis(thio)]diacetate 26401-97-8				--
triisooctyl 2,2',2''-[(octylstannylidyn)tris(thio)]triacetate 26401-86-5				--
2,2-dioctyl-1,3,2-oxathias-tanolan-5-one 15535-79-2				--
isooctyl mercaptoacetate 25103-09-7				--

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
diisooctyl 2,2'-[(dioctylstannylene)bis(thio)]dia	--		

cetate 26401-97-8 trisoctyl	--		
2,2',2''-[(octylstannylidylne)tris(thio)]t riacetate 26401-86-5	--		
2,2-dioctyl-1,3,2-oxathiasannolan-5 -one 15535-79-2	--		
isooctyl mercaptoacetate 25103-09-7	--		

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA Health Hazard 1 Flammability 1 Instability 0 Physical and chemical hazards --
HMIS Health Hazard 2* Physical Hazard 0 Personal protection --
Chronic Hazard Star Legend Chronic Health Hazard

Prepared By

Galata Chemicals Product Safety

Issue Date

24-Jun-2013

Revision Date

05-Sep-2018

Revision Note

(M)SDS sections updated 1 2 3 4 8 11 12 15 16

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet