

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 17/07/2017 Revision date: :

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier Product form

FIGULELIOITI	
Product name	
Product code	
Product group	

MixtureCustom 250 ppm Methyl SulfideAL0-130129

- . ALO-100123
- : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec : Laboratory use: Industrial For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Phenova 6390 Joyce Dr. Suite 100 80403 Golden, CO - United States T 1-866-942-2978 - F 1-866-283-0269 info@phenova.com - www.phenova.com

1.4. Emergency telephone number

Emergency number

: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

 Flam. Liq. 2
 H225

 Skin Irrit. 2
 H315

 Repr. 2
 H361

 STOT SE 3
 H336

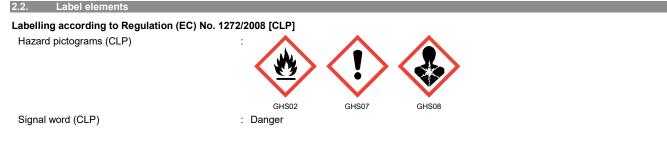
 STOT RE 2
 H373

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Repr.Cat.3; R63 F; R11 Xn; R48/20 Xi; R38 R67 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available



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Hazard statements (CLP)	 H225 - Highly flammable liquid and vapour H315 - Causes skin irritation H336 - May cause drowsiness or dizziness H361 - Suspected of damaging fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P260 - Do not breathe dust/fume/gas/mist/vapours/spray P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P308+P313 - IF exposed or concerned: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
No labelling applicable	

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
toluene (Component)	(CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index-No.) 601-021-00-3	99.975	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304

SECTION 4: First aid measures				
4.1. Description of first aid measures	\$			
First-aid measures general	 Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention. 			
First-aid measures after inhalation	: Assure fresh air breathing. Allow the victim to rest.			
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.			
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.			
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.			
4.2. Most important symptoms and effects, both acute and delayed				
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.			
4.3. Indication of any immediate medical attention and special treatment needed				
No additional information available				
SECTION 5: Firefighting measure	s			
5.1. Extinguishing media				
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.			
Unsuitable extinguishing media	: Do not use a heavy water stream.			
5.2. Special hazards arising from the substance or mixture				
No additional information available				

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

5.3. Advice for firefighters

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according to Regulation (EC) No. 1907/2006 (REACH) with	its amendment Regulation (EU) 2015/830				
SECTION 6: Accidental release measures					
6.1. Personal precautions, protective equipment and emergency procedures					
6.1.1. For non-emergency personnel					
Emergency procedures	: Evacuate unnecessary personnel.				
6.1.2. For emergency responders					
Protective equipment	: Equip cleanup crew with proper protection.				
Emergency procedures	: Ventilate area.				
6.2. Environmental precautions					
Prevent entry to sewers and public waters. Notify a	uthorities if liquid enters sewers or public waters.				
6.3. Methods and material for containment	· · ·				
Methods for cleaning up	: Take up in absorbent material. Collect spillage.				
6.4. Reference to other sections See Heading 8. Exposure controls and personal pr	atection				
SECTION 7: Handling and storage					
7.1. Precautions for safe handling					
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.				
Hygiene measures	: Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.				
7.2. Conditions for safe storage, including	any incompatibilities				
Storage conditions	: Keep container closed when not in use. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.				
Incompatible materials	: Direct sunlight.				
7.3. Specific end use(s)					
No additional information available					
	SECTION 8: Exposure controls/personal protection				
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Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Non flammable
Relative density	:	No data available
Solubility	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	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

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects				
Acute toxicity	: Not classified			
toluene (108-88-3)				
LD50 oral rat	> 2000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)			
LD50 dermal rabbit	12223 mg/kg (Rabbit; Literature study; Other; >5000 mg/kg bodyweight; Rabbit; Experimental value)			
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat; Literature study)			
ATE CLP (dermal)	12223 mg/kg bodyweight			
Skin corrosion/irritation	: Causes skin irritation.			
	Based on available data, the classification criteria are not met			
Serious eye damage/irritation	: Not classified			
	Based on available data, the classification criteria are not met			
Respiratory or skin sensitisation	: Not classified			
	Based on available data, the classification criteria are not met			
Germ cell mutagenicity	: Not classified			
	Based on available data, the classification criteria are not met			
Carcinogenicity	: Not classified			
	Based on available data, the classification criteria are not met May cause cancer			
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.			
	Based on available data, the classification criteria are not met			
STOT-single exposure	: May cause drowsiness or dizziness.			
	Based on available data, the classification criteria are not met			
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.			
	Based on available data, the classification criteria are not met			
Aspiration hazard	: Not classified			
	Based on available data, the classification criteria are not met			
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.			

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SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability				
Custom 250 ppm Methyl Sulfide				
Persistence and degradability	Not established.			
toluene (108-88-3)	- -			
Persistence and degradability	Readily biodegradable in water. easily degradable in the soil.			
Biochemical oxygen demand (BOD)	2.15 g O /g substance			
Chemical oxygen demand (COD)	2.52 g O /g substance			
ThOD	3.13 g O /g substance			
BOD (% of ThOD)	0.69			
12.3. Bioaccumulative potential				
Custom 250 ppm Methyl Sulfide	-			
Bioaccumulative potential	Not established.			
toluene (108-88-3)				
BCF fish 2	90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water)			
Log Pow	2.73 (Experimental value; Other; 20 °C)			
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).			
12.4. Mobility in soil				
toluene (108-88-3)				
Surface tension	0.03 N/m (20 °C)			
12.5. Results of PBT and vPvB assessment				
No additional information available				
12.6. Other adverse effects				
	: Avoid release to the environment			
SECTION 13: Disposal considerations				
13.1. Waste treatment methods				
Product/Packaging 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				
In accordance with ADR / RID / IMDG / IATA / ADN				
14.1. UN number				
UN-No. (ADR)	: 1993			
UN-No. (IATA)	: 1993			
UN-No. (IMDG)	: 1993			
	: 1993			
14.2. UN proper shipping name				
	: FLAMMABLE LIQUID, N.O.S.			
	: Flammable liquid, n.o.s.			
,	: FLAMMABLE LIQUID, N.O.S.			
	: FLAMMABLE LIQUID, N.O.S.			
	: UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II, (D/E)			
14.3. Packing group				
Class (ADR)	: 3			
	: F1			
	: 3			
	: 3			
	: 3			
	: F1			

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Danger labels (ADR)	: 3
Hazard labels (IATA)	: 3
Danger labels (IMDG)	: 3
Danger labels (ADN)	: 3

14.4. Packing group	
Packing group (ADR)	: II
Packing group (IATA)	
Packing group (IMDG) Packing group (ADN)	: II : II
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
14.6.1. Overland transport	
Hazard identification number (Kemler No.)	: 33
Classification code (ADR)	: F1
Orange plates	33 1993
Special provisions (ADR)	: 274, 601, 640D
Transport category (ADR)	: 2
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
14.6.2. Transport by sea	
Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP8, TP28
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: B
14.6.3. Air transport	
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
PCA packing instructions (IATA)	: 353

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PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA max net quantity (IATA)	: 5L
PCA Excepted quantities (IATA)	: E2
Special provisions (IATA)	: A3
ERG code (IATA)	: 3H
14.6.4. Inland waterway transport	
Special provisions (ADN)	: 274, 601, 640D
Limited quantities (ADN)	: 1L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1
Carriage prohibited (ADN)	: No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information	
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

PHV SDS EU

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