

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 08/01/2018 Revision date: 04/07/2023 Supersedes: 01/14/2019 Version: 1.3

	0		Nevision date. 04/07/2025	Superseues. 01/14/2019	
SECTION 1:	Identification				
	fication				
Product form		: Substance			
Product name		: TAGETES			
CAS-No.		: 8016-84-0			
Product code		: 50-6261-0			
1.2. Recor	mmended use and i	restrictions on use			
1.3. Suppl	lior				
The Lebermuth 4004 Technolog	Company	s			
	- F 574-258-7450 .com - <u>www.lebermu</u>	<u>ith.com</u>			
1.4. Emerg	gency telephone nu	ımber			
Emergency num	nber	: CHEMTRE CCN 1301	C - USA: 800-424-9300 Intern	ational: +1 703-527-3887 / 1-8	800-424-9300
SECTION 2	Hazard(s) iden				
	ification of the sub				
GHS US classif	fication				
Flammable liqui			mmable liquid and vapor		
	do Odlogoly o				
2.2. GHS I	Label elements. inc	luding precautionary stat	ements		
GHS US labelin					
Hazard pictogra	•				
riazaru pictogra					
		<u>C</u> 2			
		GHS02			
Signal word (GH	IS US)	: Warning			
Hazard stateme	nts (GHS US)	: Flammable	liquid and vapor		
Precautionary st	tatements (GHS US)		from heat, hot surfaces, sparks,	open flames and other ignitio	n sources. No
		smoking. Keen cont	iner tightly closed.		
			nd container and receiving equip	ment.	
		Use explos	ion-proof electrical/ventilating/light		
			on-sparking tools.	-l'a ale anna	
			utionary measures against static ctive gloves/protective clothing/e		
			or hair): Take off immediately all		skin with
		water/show	ver.	-	
		In case of	ire: Use media other than water t	to extinguish.	
			vell-ventilated place. Keep cool.	or oppoint wooth and a the stars	int in accordance
			contents/container to hazardous egional, national and/or internati		int, in accordance
		······································	,	J	
		not result in classificatio	1		
	formation available				
	own acute toxicity ((GHS US)			
Not applicable					

SECTION 3: Composition/Information on ingredients

3.1. Substances

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Name		Product identifier	%	GHS US classification
TAGETES OIL		(CAS-No.) 8016-84-0	100	Flam. Liq. 3, H226
Full text of hazard classes and H-statements : s	ee section 16			
3.2. Mixtures				
Not applicable				
SECTION 4: First-aid measures				
4.1. Description of first aid measures				
First-aid measures after inhalation	: Remove person to fresh a	•		-
First-aid measures after skin contact	: Rinse skin with water/show irritation or rash occurs: G			Il contaminated clothing. If skin
First-aid measures after eye contact	: Rinse eyes with water as a	•		
First-aid measures after ingestion	: Call a poison center/docto	r/physician if you feel unv	/ell.	
4.2. Most important symptoms and effe				
Symptoms/effects after skin contact	: May cause an allergic skir	reaction.		
4.3. Immediate medical attention and sp	pecial treatment, if necessary	1		
Treat symptomatically.				
SECTION 5: Fire-fighting measures				
5.1. Suitable (and unsuitable) extinguis	hing media			
Suitable extinguishing media	: Water spray. Dry powder.	Foam. Carbon dioxide.		
5.2. Specific hazards arising from the c	hemical			
Fire hazard	: Flammable liquid and vap	or.		
Reactivity	: Flammable liquid and vap	or.		
5.3. Special protective equipment and p	precautions for fire-fighters			
Protection during firefighting	•		ctive equip	ment. Self-contained breathing
	apparatus. Complete prote	ective clothing.		
SECTION 6: Accidental release mea	sures			
6.1. Personal precautions, protective ed	quipment and emergency pro	cedures		
6.1.1. For non-emergency personnel				
Emergency procedures	: Ventilate spillage area. No and eyes. Avoid breathing			oking. Avoid contact with skin
6.1.2. For emergency responders				
Protective equipment				ment. For further information
	refer to section 8: "Exposu	ire controls/personal prote	ection".	
5.2. Environmental precautions				
Avoid release to the environment.				
5.3. Methods and material for containm				
Nethods for cleaning up	: Take up liquid spill into ab waters.	sorbent material. Notify a	uthorities if	product enters sewers or public
Other information	: Dispose of materials or so	lid residues at an authoriz	ed site.	
6.4. Reference to other sections				
For further information refer to section 13.				
SECTION 7: Handling and storage				
7.1. Precautions for safe handling				
Precautions for safe handling	flames and other ignition s equipment. Use only non- discharge. Flammable var	ources. No smoking. Gro sparking tools. Take prec pors may accumulate in th I protective equipment. A	und/bond o autionary n e containe	neasures against static

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Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed.
SECTION 8: Exposure controls/	personal protection
8.1. Control parameters	
TAGETES OIL (8016-84-0)	
No additional information available	
8.2. Appropriate engineering contr	ols
Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.
8.3. Individual protection measures	s/Personal protective equipment
Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses	
Skin and body protection:	
Wear suitable protective clothing	
Respiratory protection:	
n case of insufficient ventilation, wear suita respiratory equipment	able

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties				
Physical state	: Liquid			
Color	: YELLOW-ORANGE, ORANGE, REDDISH-ORANGE LIQUID			
Odor	: RANCID, GREEN, HERBAL, FRUITY ODOR			
Odor threshold	: No data available			
pH	: No data available			
Melting point	: Not applicable			
Freezing point	: No data available			
Boiling point	: No data available			
Flash point	: 48.9 °C			
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	: 0.878 (0.86 – 0.9)			
Solubility	: Insoluble.			
Partition coefficient n-octanol/water (Log Pow)	: No data available			

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Auto-ignition temperature		:	No data available	
Decomposition temperature		:	No data available	
Viscosit	y, kinematic	:	No data available	
Viscosit	y, dynamic	:	No data available	
Explosion limits		:	No data available	
Explosive properties		:	No data available	
Oxidizir	ng properties	:	No data available	
9.2.	Other information			

Refractive index

: 1.49 (1.48 – 1.5)

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

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 effects 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 : Not classified Aspiration hazard Viscosity, kinematic No data available Symptoms/effects after skin contact : May cause an allergic skin reaction.

SECTI	SECTION 12: Ecological information				
12.1.	Toxicity				
Ecology	- 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 addit	ional information available				
12.3.	Bioaccumulative potential				
No addit	ional information available				

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12.4. Mobility in soil No additional information available 12.5. Other adverse effects No additional 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.

: Flammable vapors may accumulate in the container.

Additional information	

SECTION 14: Transport information

SECTION 14: Transport information	
Department of Transportation (DOT) In accordance with DOT	
Transport document description (DOT)	: UN1197 Extracts, flavoring, liquid (Regulated for Bulk only), 3, III
UN-No.(DOT) Proper Shipping Name (DOT)	: UN1197 : Extracts, flavoring, liquid (Regulated for Bulk only)
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
Hazard labels (DOT)	: 3 - Flammable liquid
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/ra (49 CFR 173.27)	il : 60 L
DOT Quantity Limitations Cargo aircraft only (4 CFR 175.75)	9 : 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 127
Other information	: No supplementary information available.
Transportation of Dangerous Goods Transport document description (TDG) UN-No. (TDG) Proper Shipping Name (TDG) TDG Primary Hazard Classes	 UN1197 EXTRACTS, FLAVOURING, LIQUID (Regulated for Bulk only), 3, III UN1197 EXTRACTS, FLAVOURING, LIQUID 3 - Class 3 - Flammable Liquids

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Packing group (TDG)	: III - Minor Danger
Explosive Limit and Limited Quantity Index	: 5L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Transport by sea	
Transport document description (IMDG)	: UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III
UN-No. (IMDG)	: 1197
Proper Shipping Name (IMDG)	: EXTRACTS, FLAVOURING, LIQUID
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Transport document description (IATA)	: UN 1197 Extracts, liquid, 3, III
UN-No. (IATA)	: 1197
Proper Shipping Name (IATA)	: Extracts, liquid
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Low danger

SECTION 15: Regulatory information 15.1. US Federal regulations TAGETES OIL (8016-84-0) Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations	
CANADA	
TAGETES OIL (8016-84-0)	
Listed on the Canadian DSL (Domestic Substances List)	
EU-Regulations No additional information available	
National regulations No additional information available	

15.3. US State regulations

WARNING: This product can expose you to myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SEC	SECTION 16: Other information		
Revis	ion date	: 04/07/2023	
Full te	Full text of H-phrases:		
	H226	Flammable liquid and vapor	

SDS US (GHS HazCom 2012) - Lebermuth

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.