

Bluewater HEMCROUP Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/23/2018 Version: 1.1

SECTION 1: Identificat	tion		
1.1. Identification			
Product name		: Mean Tangerine	
1.2. Recommended us	e and restrictions	on use	
Recommended use		: For use in adhesive resins, fragrances, solvents and degreasing agents	
1.3. Supplier			
Sanco Industries, Inc.			
1819 S. Calhoun Street			
Fort Wayne, IN 46802			
Phone: 260-426-6281			
Toll Free: 888-697-2626			
1.4. Emergency teleph	one number		
Emergency number		: 24 Hour Contact - CHEMTREC 1-800-424-9300	
SECTION 2. Horord(a)	identification		
SECTION 2: Hazard(s) 2.1. Classification of the			
	ie substance of II		
GHS-US classification	H226	Elemmetric liquid and vener	
Flammable liquids Category 3	H220	Flammable liquid and vapor	
Skin corrosion/irritation	H315	Causes skin irritation	
Category 2 Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation	
Skin sensitization Category 1	H317	May cause an allergic skin reaction	
Full text of H statements : see	e section 16		
	its, including pred	cautionary statements	
GHS-US labeling Hazard pictograms (GHS-US	5)		
Thazard pictograms (OTIO O	0)		
		\checkmark \checkmark	
		GHS02 GHS07	
Signal word (GHS-US)		: Warning	
Hazard statements (GHS-U	S)	: H226 - Flammable liquid and vapor	
		H315 - Causes skin irritation	
		H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation	
Precautionary statements (0	GHS-US)	: P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking	
		P233 - Keep container tightly closed P240 - Ground/Bond container and receiving equipment	
		P240 - Ground/Bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting equipment	
		P242 - Use only non-sparking tools	
		P243 - Take precautionary measures against static discharge P261 - Avoid breathing gas/mist/vapors/spray	
		P264 - Wash hands and other exposed areas thoroughly after handling	
		P272 - Contaminated work clothing must not be allowed out of the workplace P280 - Wear protective gloves/protective clothing/eye protection/face protection	
		P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. F	Rinse
		skin with water/shower	oontoot
		P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove lenses, if present and easy to do. Continue rinsing	CONTACT
		P333+P313 - If skin irritation or rash occurs: Get medical advice/attention	
		P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse	
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P370+P378 - In case of fire: Use foam, carbon dioxide or dry chemicals to extinguish P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents/container in accordance with all local, state and federal regulations

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. **Substances**

Not applicable

3.2. **Mixtures**

Name	Product identifier	%	GHS-US classification
D-Limonene	(CAS №) 5989-27-5	> 94	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317

Full text of hazard classes and H-statements : see section 16

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 you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effe	cts (acute and delayed)
Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: Causes skin irritation.
4.3. Immediate medical attention and s	pecial treatment, if necessary
No additional information available	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguis	hing media
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Specific hazards arising from the c	hemical
Fire hazard	: Flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
5.3. Special protective equipment and	precautions for fire-fighters
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release mea	ISUITES
	guipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No smoking.
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.
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Emer	gency procedures	: Ventilate area.
6.2.	Environmental precaution	IS
Prever	nt entry to sewers and public wa	aters. Notify authorities if liquid enters sewers or public waters.
	Marth a data and so at a dat fact	
6.3.	Methods and material for	containment and cleaning up

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
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 vapor. No smoking. Take precautionary measures against static discharge. Use only non- sparking tools. Avoid breathing gas/mist/vapors/spray.
Hygiene measures	: Wash hands and other exposed areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, including	g any incompatibilities
Technical measures	 Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

D-Limonene (5989-27-5)		
AIHA	WEEL TWA (ppm)	30 ppm

8.2. Appropriate engineering controls

Use in a well-ventilated area and ensure an emergency eye wash station is located in the vicinity of use.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing including chemically resistant apron

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical	properties
.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Color	: Colorless to pale yellow liquid
Odor	: Mild citrus orange
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 154 °C
Flash point	: 46 °C (Pensky Martens Closed Cup)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Flammable liquid and vapor.
Vapor pressure	: 2 mm Hg @25°C
Relative vapor density at 20 °C	: >1
Relative density	: 0.84 @25°C
Solubility	: Negligible in water.
Log Pow	: No data available
Auto-ignition temperature	: 238 °C Calculated
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: LEL: 0.7 vol % UEL: 6.1 vol %
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and react	vity
10.1. Reactivity	
Product is not reactive under normal condit	ions of use.
10.2. Chemical stability	
Flammable liquid and vapor. May form flam	imable/explosive vapor-air mixture.
10.3. Possibility of hazardous reaction	ons
Hazardous polymerization will not occur.	
10.4. Conditions to avoid	
Direct sunlight. Extremely high or low temp	eratures. Open flame. Overheating. Heat. Sparks.
10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition pro	ducts
Even of the second design of the second design of the second seco	Maximula and Communication and a

Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECT	ION 11: Toxicological information		
11.1.	Information on toxicological effects		

Acute toxicity	: Not classified	
D-Limonene (5989-27-5)		
LD50 oral rat	4400 mg/kg	
LD50 dermal rabbit	> 5 g/kg	
ATE US (oral)	4400.000 mg/kg body weight	

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5 5 5	
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
D-Limonene (5989-27-5)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: Causes skin irritation.

SECTION 12: Ecological information

12.1. Toxicity

D-Limonene (5989-27-5)		
LC50 fish 1	0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
LC50 fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)	

12.2. Persistence and degradability

Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
Mean Tangerine	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5.	Other adverse effects	
Other in	formation	: Avoid release to the environment.
SECTIO	ON 13: Disposal considerations	

13.1. Disposal methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to
Additional information	: Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Exception for Class 3 (flammable and combustible liquids) 49 CFR 173.150(f)

DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
Packing group (DOT)	: III - Minor Danger
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Proper Shipping Name (DOT)	: Combustible liquid, n.o.s. (Limonene), Marine pollutant
UN-No.(DOT)	: NA1993
Transport document description	: NA1993 Combustible liquid, n.o.s. (Limonene), 3, III, Marine pollutant

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 ······································		
DOT Packaging Bulk (49 CFR 173.xxx)	:	241
DOT Symbols	:	D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	:	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). T1 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	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	:	128
Other information	:	No supplementary information available.

SECTION 15: Regulatory information

15.1. US Federal regulations

lean Tangerine		
SARA Section 311/312 Hazard Classes	Flammable Skin corrosion or irritation Serious eye damage or irritation Respiratory or skin sensitization	

D-Limonene (5989-27-5)

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

15.2. International regulations

CANADA

D-Limonene (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

D-Limonene (5989-27-5)

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

National regulations

D-Limonene (5989-27-5)

Listed on the AICS (Australian Inventory of Chemical Substances)

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

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

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

Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information

: None.

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Full text of H-phrases:	
H226	Flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

SDS US (GHS HazCom 2012)

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