

Safety Data Sheet: AWAKE

Supersedes Date 09/29/2011

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name AWAKE
Recommended use Fragrance
Information on Manufacturer
MANTEK, DIVISION OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5940
Chemical nature Petroleum distillates and fragrances
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless - Light yellow

Physical State Liquid

Odor Citrus

GHS

Classification

Physical Hazards

Flammable liquids

Category 4

Health Hazard

Aspiration Toxicity

Category 1

Acute Inhalation Toxicity - Vapors

Category 3

Serious Eye Damage/Eye Irritation

Category 2B

Respiratory Sensitization

Category 1

Skin Sensitization

Category 1

Specific target organ systemic toxicity (single exposure)

Category 3

Specific target organ systemic toxicity (repeated exposure)

Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H227 - Combustible liquid

H317 - May cause an allergic skin reaction

H320 - Causes eye irritation

H331 - Toxic if inhaled

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H336 - May cause drowsiness or dizziness

H304 - May be fatal if swallowed and enters airways

H373 - May cause damage to organs through prolonged or repeated exposure in contact with skin

Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.

P280 - Wear protective gloves, protective clothing and eye protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P260 - Do not breathe mist or vapor

P271 - Use in a well-ventilated area.

P285 - In case of inadequate ventilation wear respiratory protection

P270 - Do not eat, drink or smoke when using this product

P272 - Contaminated work clothing should not be allowed out of the workplace

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs, get medical attention

P363 - Wash contaminated clothing before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P342 + P311 - If experiencing respiratory symptoms, call a physician

P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P235 - Keep cool

P501 - Dispose of contents and container in accordance with applicable regulations.

16 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Petroleum distillates, hydrotreated light	64742-47-8	60-100
Orange Terpenes	68647-72-3	1-5
Linalool	78-70-6	1-5
Citral	5392-40-5	1-5
D-Limonene	5989-27-5	1-5
Lemon oil	8008-56-8	1-5

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to physician	Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways. May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point	164 °F / 73 °C	Method	Seta closed cup
Flammability Limits in Air %	Petroleum distillates.	Upper	4.9
Suitable Extinguishing Media	Foam. Water spray. Carbon dioxide (CO2). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	Lower	0.5
Specific hazards arising from the chemical	Combustible Liquid. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.		
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.		
NFPA	Health 1	Flammability 2	Instability 0
HMIS	Health 1	Flammability 2	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing.			
Storage	Keep away from heat and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	Heated
				Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated light	5 mg/m ³ as oil mist	10 mg/m ³ as oil mist	No data available
Orange Terpenes	No data available	No data available	No data available

Linalool	No data available	No data available	No data available
Citral	TWA: 5 ppm Skin	No data available	No data available
D-Limonene	No data available	No data available	No data available
Lemon oil	No data available	No data available	No data available

Engineering Measures
Personal Protective Equipment

Ensure adequate ventilation, especially in confined areas.

Eye/Face Protection

Safety glasses with side-shields.

Skin Protection

Wear suitable protective clothing, Impervious gloves.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	Colorless - Light yellow	Odor	Citrus
Odor Threshold	Not applicable	Appearance	Transparent
pH	Not applicable	Specific Gravity	0.80
Evaporation Rate	0.02 (Butyl acetate=1)	Percent Volatile (Volume)	100
VOC Content (%)	92	VOC Content (g/L)	736
Vapor Pressure	0.37 mmHg @ 70°F	Vapor Density	4.9 (Air = 1.0)
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	390 °F / 199 °C	Flammability (solid, gas)	No data available
Flash Point	164 °F / 73 °C	Method	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %	Petroleum distillates.	Upper 4.9 Lower 0.5	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames, and sparks
Incompatible Products	Strong oxidizing agents, Strong acids, Strong bases.
Hazardous Decomposition Products	Carbon oxides
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50	4,910.15
Dermal LD50	2,207.77
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	5.21

Principle Route of Exposure Skin contact, Eye contact, Inhalation.

Primary Routes of Entry Inhalation, Skin Absorption.

Acute Effects

Eyes

Causes eye irritation.

Skin

May cause skin irritation. May cause allergic skin reaction.

Inhalation

Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. May cause allergic respiratory reaction. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Ingestion

Chronic Toxicity

Liver and kidney injuries may occur. May cause sensitization by skin contact. May cause sensitization by inhalation.

Target Organ Effects

Respiratory system, Ears, Central nervous system, Liver, Kidney, Immune system.

Aggravated Medical Conditions

Respiratory disorders, Skin disorders, Neurological disorders, Liver disorders, Kidney disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Petroleum distillates, hydrotreated light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h	no data available	no data available

Orange Terpenes	no data available	no data available	no data available	no data available	no data available
Linalool	no data available	no data available	no data available	no data available	no data available
Citral	= 4950 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	no data available	no data available	no data available
D-Limonene	no data available	> 5 g/kg (Rabbit)	no data available	no data available	no data available
Lemon oil	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	respiratory system, liver, kidney, CNS
Orange Terpenes	no data available	no data available	no data available	no data available	no data available
Linalool	no data available	no data available	no data available	no data available	no data available
Citral	no data available	no data available	no data available	no data available	no data available
D-Limonene	no data available	Skin sensitization, Respiratory sensitization	no data available	no data available	CNS, immune system, lungs, liver, kidneys
Lemon oil	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Petroleum distillates, hydrotreated light	not applicable	not applicable	not applicable	not applicable	not applicable
Orange Terpenes	not applicable	not applicable	not applicable	not applicable	not applicable
Linalool	not applicable	not applicable	not applicable	not applicable	not applicable
Citral	not applicable	not applicable	not applicable	not applicable	not applicable
D-Limonene	not applicable	not applicable	not applicable	not applicable	not applicable
Lemon oil	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION**Product Information**

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Petroleum distillates, hydrotreated light	no data available	LC50 = 45 mg/L Pimephales promelas 96 h LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h	no data available	LC50= 4720 mg/L 96 h	N/A
Orange Terpenes	no data available	no data available	no data available	no data available	N/A
Linalool	EC50 = 88.3 mg/L Desmodesmus subspicatus 96 h	LC50 22 - 46 mg/L Leuciscus idus 96 h	EC50 = 1000 mg/L 30 min	EC50= 20 mg/L 48 h	2.84 - 3.1
Citral	EC50 = 16 mg/L Desmodesmus subspicatus 72 h EC50 = 19 mg/L Desmodesmus subspicatus 96 h	LC50 4.6 - 10 mg/L Leuciscus idus 96 h	EC50 = 2100 mg/L 30 min	EC50= 7 mg/L 48 h	2.76
D-Limonene	no data available	LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h LC50 = 35 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A
Lemon oil	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS**Product Disposal**

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name
Hazard Class

DOT

>119 Gals = Combustible liquid, n.o.s.
Combustible liquid

UN-No NA1993
 Packing Group III
 Description NA1993, Combustible liquid, n.o.s.(Petroleum Distillates), Combustible liquid, PG III

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA Complies

DSL Complies

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 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Petroleum distillates, hydrotreated light	Not applicable	Not applicable
Orange Terpenes	Not applicable	Not applicable
Linalool	Not applicable	Not applicable
Citral	Not applicable	Not applicable
D-Limonene	Not applicable	Not applicable
Lemon oil	Not applicable	Not applicable

16. OTHER INFORMATION

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Reason for Revision No information available.

Glossary No information available.

List of References. No information available.

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