

**PALMOLIVE ULTRA DISHWASHING LIQUID HAND MAX STRENGTH**

*This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.*

Version	Revision Date:	SDS Number:	Date of last issue: 09/04/2023
1.1	03/04/2024	660000019489	Date of first issue: 09/04/2023

**SECTION 1. IDENTIFICATION**

Product name : PALMOLIVE ULTRA DISHWASHING LIQUID HAND MAX STRENGTH  
B02904500000

Product code : 100000222641

**Manufacturer or supplier's details**

Company name of supplier : Colgate-Palmolive Co  
300 Park Avenue  
New York, NY 10022

Telephone : US: Consumer Affairs - 1-800-468-6502

Emergency telephone number : For emergencies involving spill, leak, fire, exposure or accident call CHEMTREC (24hr) at (800) 424-9300 or (703) 527-3887.

Global-CHEMTREC- +1 703-741-5970

**Recommended use of the chemical and restrictions on use**

Recommended use : dishwashing liquid

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Flammable liquids : Category 4

Skin irritation : Category 2

Serious eye damage : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.

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H315 Causes skin irritation.  
H318 Causes serious eye damage.

**Precautionary statements**

:

**Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 Store in a well-ventilated place.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Components**

Chemical name	CAS-No.	Concentration (% w/w)
SODIUM DODECYL BENZENE SULFONATE (LINEAR)	25155-30-0	$\geq 10 - < 20$
Sodium Laureth Sulfate	9004-82-4	$\geq 5 - < 10$
Lauramidopropylamine Oxide	61792-31-2	$\geq 1 - < 5$
ETHANOL (ETHYL ALCOHOL)	64-17-5	$\geq 1 - < 5$
C9-11 PARETH-8	68439-46-3	$\geq 1 - < 5$
LINEAR ALKYL BENZENE DERIVS	68648-87-3	$\geq 0.1 - < 1$

**SECTION 4. FIRST AID MEASURES****General advice**

:

Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.

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If inhaled	: Do not leave the victim unattended. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	: Causes skin irritation. Causes serious eye damage.
Notes to physician	: Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire-fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: No hazardous combustion products are known
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Special protective equipment	: Wear self-contained breathing apparatus for firefighting if nec-

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for firefighters

essary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : No smoking.  
Keep in a well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ETHANOL (ETHYL ALCOHOL)	64-17-5	STEL	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA P0

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : green

Odour : No data available

pH : 8

Melting point/range : No data available

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Boiling point/boiling range : No data available

Flash point : 167 °F / 75 °C

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : No data available

Solubility(ies)  
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, kinematic : No data available

Particle characteristics  
Particle size : No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Not applicable

Hazardous decomposition : No hazardous decomposition products are known.

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products

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity	:	Acute toxicity estimate: 4,079 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

**Components:****SODIUM DODECYL BENZENE SULFONATE (LINEAR):**

Acute oral toxicity	:	LD50 (Rat, male and female): 650 mg/kg
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402

**Sodium Laureth Sulfate:**

Acute oral toxicity	:	LD50 (Rat): 1,600 mg/kg Method: No information available.
Acute inhalation toxicity	:	LC50 (Rabbit): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Acute toxicity estimate
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 mg/kg Method: Acute toxicity estimate

**Lauramidopropylamine Oxide:**

Acute oral toxicity	:	Acute toxicity estimate: 500 mg/kg
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	LC50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402

**C9-11 PARETH-8:**

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Acute oral toxicity : LD50 (Rat): 3,488 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 1,600 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402

**LINEAR ALKYL BENZENE DERIVS:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: Tested according to Annex V of Directive 67/548/EEC.

Acute inhalation toxicity : LC50 (Rabbit): > 1.82 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: No information available.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: Tested according to Annex V of Directive 67/548/EEC.

**Skin corrosion/irritation**

Causes skin irritation.

**Components:****SODIUM DODECYL BENZENE SULFONATE (LINEAR):**

Result : Irritating to skin.

Remarks : Extremely corrosive and destructive to tissue.

**Sodium Laureth Sulfate:**

Result : Skin irritation

Remarks : Extremely corrosive and destructive to tissue.

**Lauramidopropylamine Oxide:**

Result : Severe skin irritation

**ETHANOL (ETHYL ALCOHOL):**

Result : No skin irritation

**C9-11 PARETH-8:**

Species : Rabbit

Exposure time : 4 h



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Assessment	:	No skin irritation
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

**LINEAR ALKYL BENZENE DERIVS:**

Result	:	No skin irritation
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**Serious eye damage/eye irritation**

Causes serious eye damage.

**Components:****SODIUM DODECYL BENZENE SULFONATE (LINEAR):**

Result	:	Corrosive
Remarks	:	May cause irreversible eye damage.

**Sodium Laureth Sulfate:**

Result	:	Risk of serious damage to eyes.
Remarks	:	May cause irreversible eye damage.

**Lauramidopropylamine Oxide:**

Result	:	Irreversible effects on the eye
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**ETHANOL (ETHYL ALCOHOL):**

Species	:	Rabbit
Result	:	Moderate eye irritation

**C9-11 PARETH-8:**

Result	:	Risk of serious damage to eyes.
Remarks	:	May cause irreversible eye damage.

**LINEAR ALKYL BENZENE DERIVS:**

Result	:	No eye irritation
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**Respiratory or skin sensitisation****Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

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**Components:****SODIUM DODECYL BENZENE SULFONATE (LINEAR):**

Exposure routes	: Inhalation
Remarks	: No data available

Exposure routes	: Dermal
Result	: Does not cause skin sensitisation.

**Sodium Laureth Sulfate:**

Exposure routes	: Inhalation
Result	: Does not cause respiratory sensitisation.

Exposure routes	: Dermal
Result	: Does not cause skin sensitisation.

**Lauramidopropylamine Oxide:**

Exposure routes	: Inhalation
Remarks	: No data available

Exposure routes	: Dermal
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Does not cause skin sensitisation.

**ETHANOL (ETHYL ALCOHOL):**

Exposure routes	: Inhalation
Remarks	: No data available

Exposure routes	: Dermal
Result	: Does not cause skin sensitisation.

**C9-11 PARETH-8:**

Exposure routes	: Inhalation
Remarks	: No data available

Test Type	: Maximisation Test
Exposure routes	: Dermal
Species	: Guinea pig
Assessment	: Does not cause skin sensitisation.
Method	: OECD Test Guideline 406
Result	: Not a skin sensitizer.

**LINEAR ALKYL BENZENE DERIVS:**

Exposure routes	: Inhalation
Result	: Does not cause respiratory sensitisation.

Exposure routes	: Dermal
Result	: Does not cause skin sensitisation.

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**Germ cell mutagenicity**

Not classified based on available information.

**Components:****SODIUM DODECYL BENZENE SULFONATE (LINEAR):**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse (male and female)  
Application Route: Oral  
Result: negative

**C9-11 PARETH-8:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: yes

**Carcinogenicity**

Not classified based on available information.

**IARC**

Group 1: Carcinogenic to humans This product is not expected to exhibit carcinogenic effects. Exposure through ingestion of Ethanol (64-17-5) is not applicable to the intended use of this product.

ETHANOL (ETHYL ALCOHOL) 64-17-5

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

This product is not expected to exhibit carcinogenic effects. Exposure through ingestion of Ethanol (64-17-5) is not applicable to the intended use of this product.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

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**STOT - repeated exposure**

Not classified based on available information.

**Repeated dose toxicity****Components:****SODIUM DODECYL BENZENE SULFONATE (LINEAR):**

Species	: Rat, male and female
NOAEL	: 300 mg/kg
Application Route	: Oral

Species	: Rat, male
NOAEL	: < 286 mg/kg
Application Route	: Dermal

**C9-11 PARETH-8:**

Species	: Rat, male and female
NOAEL	: $\geq 500$ mg/kg
Application Route	: Oral
Method	: OECD Test Guideline 408

**Aspiration toxicity**

Not classified based on available information.

**Further information****Product:**

Remarks	: This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 2 of the SDS.
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**SECTION 12. ECOLOGICAL INFORMATION**

The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Environmental Occupational Health and Safety group of Colgate-Palmolive and determined to have an acceptable environmental profile. This evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable).

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14. TRANSPORT INFORMATION**

- DOT** :  
Not Regulated (As per 49 CFR 173.150 (e)(2))
- TDG** :  
Not Regulated
- IATA** :  
Not Regulated
- IMDG** :  
Not Regulated  
**IMDG EmS Number** :Not applicable.
- ADR** :  
Not Regulated

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**SECTION 15. REGULATORY INFORMATION****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

ETHANOL (ETHYL 64-17-5  
ALCOHOL)

**Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

SODIUM DODECYL 25155-30-0  
BENZENE SULFONATE  
(LINEAR)  
SULFURIC ACID 7664-93-9

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

SODIUM DODECYL 25155-30-0  
BENZENE SULFONATE  
(LINEAR)  
SULFURIC ACID 7664-93-9

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations****Massachusetts Right To Know**

WATER	7732-18-5
SODIUM DODECYL BENZENE SULFONATE (LINEAR)	25155-30-0

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Sodium Laureth Sulfate	9004-82-4
ETHANOL (ETHYL ALCOHOL)	64-17-5
C9-11 PARETH-8	68439-46-3
SULFURIC ACID	7664-93-9

**Pennsylvania Right To Know**

WATER	7732-18-5
SODIUM DODECYL BENZENE SULFONATE (LINEAR)	25155-30-0
Sodium Laureth Sulfate	9004-82-4
ETHANOL (ETHYL ALCOHOL)	64-17-5
SODIUM SULFATE	7757-82-6

**The components of this product are reported in the following inventories:**

TSCA : All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumu-

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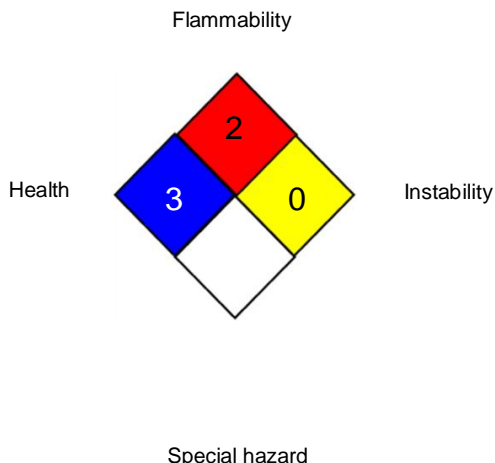
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Version	Revision Date:	SDS Number:	Date of last issue: 09/04/2023
1.1	03/04/2024	660000019489	Date of first issue: 09/04/2023

lative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH	/	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Revision Date : 03/04/2024  
 US / EN