



83459-0105
 Distributed by:
 Laguna Clay Company
 14400 Lomitas Ave
 City of Industry, CA 91746
 1-800-452-4862
 www.LagunaClay.com

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Safety Data Sheet acc. to OSHA HCS

Printing date 03/01/2023

Reviewed on 03/01/2023

1 Identification

- **Product identifier** Gold Coast, Palladium, Opaline
- **Trade name:**
- **Product ID#:** *Laguna Gold Coast Luster LC-201, Laguna Palladium Luster LC-202, Laguna Opaline Luster LC-205*
- **Product Use:** Coating compound/ Surface coating/ paint
- **Details of the supplier of the safety data sheet**
- **Supplier:**
 Laguna Clay Company
 14400 Lomitas Ave.
 City of Industry, CA 91746
 1(800) 452 4862 1 (626) 333-7694 FAX
- **Information department:** Product Safety Department 1 (610) 873-3200 M-F 8am-5pm
- **Emergency telephone number:** 1 856 384-7050

2 Hazard(s) identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 Harmful
 Harmful by inhalation.
-  Severe Irritant
 Irritating to skin.
- Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system:**
 The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:** The product has been marked in accordance with national laws.
- **Code letter and hazard designation of product:**
 Xn Harmful
- **Hazard-determining components of labeling:**
 cyclohexanol
- **Risk phrases:**
 Flammable.
 Harmful by inhalation.
 Irritating to skin.
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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· **Safety phrases:**

Keep container in a well-ventilated place.
 Keep away from heat.
 Keep away from sources of ignition - No smoking.
 Do not breathe gas/fumes/vapour/spray.
 Avoid contact with eyes.
 Avoid release to the environment. Refer to special instructions/Safety data sheets

· **Special labeling of certain preparations:**

Contains Turpentine, oil, Turpentine, oil. May cause an allergic reaction.

· **Hazard description:**

· **Canadian Hazard Symbols**

B2 - Flammable liquid
 D2B - Toxic material causing other toxic effects



· **American Hazard Description**

Based upon the components the following hazards may exist:
 Target Organs - Lungs, Central Nervous System

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2
 Fire = 4
 Reactivity = 0

· **HMIS ratings (scale 0 - 4)**



Health = 2
 Fire = 4
 Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.
 · **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:**

Solution of organo(precious) metal compounds and resins / waxes in a mixture of organic solvents and essential oils

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Hazardous components:

CAS: 68365-87-7 EINECS: 269-858-3	gold pinanyl mercaptide F R11 H228	10-<25%
CAS: 110-19-0 EINECS: 203-745-1	isobutyl acetate F R11 R66 H225	10-<25%
CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000	cyclohexanol Xn R20/22; Xi R37/38 H302; H332; H315; H335; H227	10-<20%
CAS: 125-12-2 EINECS: 204-727-6	iso-bornyl acetate H227	5-<10%
CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000	cyclohexanone Xn R20 R10 H226; H332	5-<10%
CAS: 1330-20-7 EINECS: 215-535-7 RTECS: ZE 2100000	xylene, mixture of isomers Xn R20/21; Xi R38; N R51/53 R10 H226; H411; H312; H332; H315; H319	2.5-5%
CAS: 100-52-7 EINECS: 202-860-4 RTECS: CU 4375000	benzaldehyde Xn R22 H302; H227	1-5%
CAS: 92-52-4 EINECS: 202-163-5 RTECS: DU 8050000	biphenyl Xi R36/37/38; N R50/53 H400; H410; H315; H319; H335	1-<2.5%
CAS: 141-78-6 EINECS: 205-500-4 RTECS: AH 5425000	ethyl acetate Xi R36; F R11 R66-67 H225; H319; H336	1-5%
CAS: 67874-71-9	bismuth octoate H227	≤1%
CAS: 95-50-1 EINECS: 202-425-9 RTECS: CZ 4500000	1,2-dichlorobenzene Xn R22; Xi R36/37/38; N R50/53 H400; H410; H302; H315; H319; H335; H227	< 0.5%
CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000	Turpentine, oil Xn R20/21/22-65; Xi R36/38-43; N R51/53 R10 H226; H304; H411; H302; H312; H332; H315; H319; H317	< 0.5%
CAS: 628-63-7 EINECS: 211-047-3 RTECS: AJ 2010000	pentyl acetate R10-66 H226	< 0.5%
CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000	Turpentine, oil Xn R20/21/22-65; Xi R36/38-43; N R51/53 R10 H226; H311; H304; H411; H332; H315; H319; H317; H401	< 0.5%

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· Main components:		
CAS: 68365-87-7 EINECS: 269-858-3	gold pinanyl mercaptide F R11 H228	10-<25%
CAS: 110-19-0 EINECS: 203-745-1	isobutyl acetate F R11 R66 H225	10-<25%
CAS: 26678-93-3 polymer	formaldehyde, polymer with 4-(1,1,3,3 tetramethylbutyl)phenol	10-<25%
CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000	cyclohexanol Xn R20/22; Xi R37/38 H302; H332; H315; H335; H227	10-<20%
CAS: 125-12-2 EINECS: 204-727-6	iso-bornyl acetate H227	5-<10%
CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000	cyclohexanone Xn R20 R10 H226; H332	5-<10%
CAS: 1330-20-7 EINECS: 215-535-7 RTECS: ZE 2100000	xylene, mixture of isomers Xn R20/21; Xi R38; N R51/53 R10 H226; H411; H312; H332; H315; H319	2.5-5%
CAS: 100-52-7 EINECS: 202-860-4 RTECS: CU 4375000	benzaldehyde Xn R22 H302; H227	1-5%

· SVHC -

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

· Description of first aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Remove contaminated clothing and wash skin with soap and water. Wash or clean clothing before reuse.

· After eye contact:

Rinse opened eye for several minutes under running water.

· After swallowing:

If symptoms persist consult doctor.

· Most important symptoms and effects, both acute and delayed

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
 - Water
 - Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear full firefighting gear and SCBA

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
 - Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
 - Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
- **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

- Protect from heat.
- Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

• **Additional information about design of technical systems:**

The application of this product requires well exhausted firing kilns and efficient ventilation of working areas.

• **Control parameters**

• **Components with limit values that require monitoring at the workplace:**

There is no PEL established for this mixture. Recommend monitoring based upon the components in the mixture.

110-19-0 isobutyl acetate

PEL	700 mg/m ³ , 150 ppm
REL	700 mg/m ³ , 150 ppm
TLV	713 mg/m ³ , 150 ppm

108-93-0 cyclohexanol

PEL	200 mg/m ³ , 50 ppm
REL	200 mg/m ³ , 50 ppm
	Skin
TLV	206 mg/m ³ , 50 ppm
	Skin

108-94-1 cyclohexanone

PEL	200 mg/m ³ , 50 ppm
REL	100 mg/m ³ , 25 ppm
	Skin
TLV	50 mg/m ³ , 20 ppm
	Skin

1330-20-7 xylene, mixture of isomers

PEL	435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm
	BEI

100-52-7 benzaldehyde

WEEL	Short-term value: 4 ppm
	Long-term value: 2 ppm
	DSEN

92-52-4 biphenyl

PEL	1 mg/m ³ , 0.2 ppm
REL	1 mg/m ³ , 0.2 ppm
TLV	1.3 mg/m ³ , 0.2 ppm

141-78-6 ethyl acetate

PEL	1400 mg/m ³ , 400 ppm
REL	1400 mg/m ³ , 400 ppm
TLV	1440 mg/m ³ , 400 ppm

95-50-1 1,2-dichlorobenzene

PEL	Short-term value: C 300 mg/m ³ , C 50 ppm
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REL	Short-term value: C 300 mg/m ³ , C 50 ppm
TLV	Short-term value: 301 mg/m ³ , 50 ppm Long-term value: 150 mg/m ³ , 25 ppm

8006-64-2 Turpentine, oil

REL	560 mg/m ³ , 100 ppm
REL	560 mg/m ³ , 100 ppm
TLV	112 mg/m ³ , 20 ppm
SEN	

628-63-7 pentyl acetate

REL	525 mg/m ³ , 100 ppm
REL	525 mg/m ³ , 100 ppm
TLV	Short-term value: 532 mg/m ³ , 100 ppm Long-term value: 266 mg/m ³ , 50 ppm

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.



Avoid contact with the skin.



Avoid contact with the eyes and skin.

· **Protection of hands:** Protective gloves

· **Material of gloves**

Nitrile rubber, NBR

Chemical resistant gloves

· **Eye protection:** Tightly sealed goggles

*

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Fluid

Color:

According to product specification

· **Odor:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Neutral

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· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	21 °C (70 °F) (ISO 3679)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	290 °C (554 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	2.0 Vol %
Upper:	11.2 Vol %
· Vapor pressure at 20 °C (68 °F):	20 hPa (15 mm Hg)
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	27.3 %
Water:	0.0 %
Solvent (USA):	27.3 %
	364.8 g/l / 3.04 lb/gl
· Solids content:	49.7 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

· **LD/LC50 values that are relevant for classification:**

108-93-0 cyclohexanol

Oral	LD50	2060 mg/kg (rat)
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108-94-1 cyclohexanone

Oral	LD50	1900 mg/kg (rat)
Dermal	LD50	948 mg/kg (rabbit)
Inhalative	LC50/4 h	8000 mg/l (rat)

1330-20-7 xylene, mixture of isomers

Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	6350 mg/l (rat)

100-52-7 benzaldehyde

Oral	LD50	1300 mg/kg (rat)
------	------	------------------

92-52-4 biphenyl

Oral	LD50	3280 mg/kg (rat)
------	------	------------------

141-78-6 ethyl acetate

Oral	LD50	4935 mg/kg (rabbit)
Inhalative	LC50/4 h	1600 mg/l (rat)

95-50-1 1,2-dichlorobenzene

Oral	LD50	500 mg/kg (rat)
------	------	-----------------

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

108-94-1	cyclohexanone	3
1330-20-7	xylene, mixture of isomers	3
95-50-1	1,2-dichlorobenzene	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

108-94-1 cyclohexanone

Oral	EC50/48 h	820 mg/l (daphnia)
	LC50/48 h	536 mg/l (fish)
	LC50/96 h (dynamic)	527 mg/l (fish)

92-52-4 biphenyl

Oral	LC50/48 h	2.1 mg/l (daphnia)
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· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:** Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **DOT, ADR, IMDG, IATA** UN1263

· **UN proper shipping name**

· **DOT** Paint
· **ADR** 1263 Paint
· **IMDG, IATA** PAINT

· **Transport hazard class(es)**

· **DOT**



· **Class**

3 Flammable liquids.

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· Label	3
· ADR, IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, ADR, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· Danger code (Kemler):	33
· EMS Number:	F-E,S-E
· Segregation groups	Liquid halogenated hydrocarbons
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	UN1263, Paint, 3, II

*

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

26678-93-3	formaldehyde, polymer with 4-(1,1,3,3 tetramethylbutyl)phenol	*
108-93-0	cyclohexanol	*
1330-20-7	xylene, mixture of isomers	*
92-52-4	biphenyl	*

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· **Warning: This product contains a chemical known to the State of California to cause cancer**

None of the ingredients is listed.

· **Warning: This product contains a chemical known to the State of California to cause female reproductive hazards.**

None of the ingredients is listed.

· **Warning: This product contains a chemical known to the State of California to cause male reproductive hazards**

None of the ingredients is listed.

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· **Warning: This product contains a chemical known to the State of California to cause development toxicity**

None of the ingredients is listed.

· **Canadian Ingredient disclosure list**

· **Limit 0,1%**

108-94-1	cyclohexanone
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· **Limit 1%**

110-19-0	isobutyl acetate
----------	------------------

108-93-0	cyclohexanol
----------	--------------

100-52-7	benzaldehyde
----------	--------------

92-52-4	biphenyl
---------	----------

141-78-6	ethyl acetate
----------	---------------

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

1330-20-7	xylene, mixture of isomers	I
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92-52-4	biphenyl	D
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· **TLV (Threshold Limit Value established by ACGIH)**

108-94-1	cyclohexanone	A3
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1330-20-7	xylene, mixture of isomers	A4
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· **MAK (German Maximum Workplace Concentration)**

108-94-1	cyclohexanone	3B	5.475%
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92-52-4	biphenyl	3B	1.19%
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8006-64-2	Turpentine, oil	3A	0.415%
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78-59-1	isophorone	3B	0.0002%
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H227 Combustible liquid.

H228 Flammable solid.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

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www.Lagunclay.com

Laguna Clay Company

800-452-4862^{USA}

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- H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H400 Very toxic to aquatic life.
 H401 Toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.
 R11 Highly flammable.
 R20 Harmful by inhalation.
 R20/21 Harmful by inhalation and in contact with skin.
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 R20/22 Harmful by inhalation and if swallowed.
 R22 Harmful if swallowed.
 R36 Irritating to eyes.
 R36/37/38 Irritating to eyes, respiratory system and skin.
 R36/38 Irritating to eyes and skin.
 R37/38 Irritating to respiratory system and skin.
 R38 Irritating to skin.
 R43 May cause sensitization by skin contact.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking
 R67 Vapours may cause drowsiness and dizziness

• **Classification of the substance or mixture**



GHS02 Flame

- H225 Highly flammable liquid and vapour.



GHS07

- H315 Causes skin irritation.
 H412 Harmful to aquatic life with long lasting effects.

• **Contact:**

J. Rose
 EHS Specialist

• **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organization
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association

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ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

. * **Data compared to the previous version altered.**

USA

For Additional Information contact MSDS Coordinator during business hours, Pacific time: (800)-4Laguna
Notice

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