

# SAFETY DATA SHEET



## LOWILITE® 22 POWDER

Version 1.8      Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

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### SECTION 1. IDENTIFICATION

#### Product identifier

Product name : LOWILITE® 22 POWDER  
Other means of identification : octabenzene

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

Recommended use : UV absorber  
Polymer stabilizer  
Restrictions on use : Reserved for industrial and professional use.

#### Manufacturer or supplier's details

##### Supplier

Company : SI Group USA (USAA), LLC  
Address : 1790 Hughes Landing Blvd., Suite 600  
The Woodlands, TX  
United States of America (USA)  
77380  
E-mail address : msdsrequest@siigroup.com

#### Emergency telephone

Emergency Phone Number : CHEMTREC/US : +1 703-741-5970  
NCEC/CHINA : 400 120 6011  
NCEC/INDIA : 000 800 100 7479  
NCEC/ROW : +44 1235 239670

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Skin sensitization : Sub-category 1B

Combustible dust

#### GHS label elements

# SAFETY DATA SHEET

## LOWILITE® 22 POWDER

Version 1.8      Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H317 May cause an allergic skin reaction.  
May form combustible dust concentrations in air.

Precautionary Statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Pure substance  
Substance name : octabenzene  
CAS-No. : 1843-05-6  
Chemical nature : Polymer stabilizer

### Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
octabenzene	1843-05-6	>= 90 - <= 100

The exact percentage concentrations of components are being withheld as a trade secret in accordance with paragraph (i) of §1910.1200

## SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in

## LOWILITE® 22 POWDER

Version 1.8  
Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

---

	attendance.
If inhaled	: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: Product dust may be irritating to eyes, skin and respiratory system. sensitizing effects
Notes to physician	: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

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**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  Burning produces obnoxious and toxic fumes. Thermal decomposition can lead to release of irritating gases and vapors. May form explosive dust-air mixture.
Hazardous combustion products	: No hazardous combustion products are known
Further information	: Standard procedure for chemical fires.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency	: Use personal protective equipment. Dust deposits should not be allowed to accumulate on
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# SAFETY DATA SHEET



## LOWILITE® 22 POWDER

Version 1.8  
Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

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| gency procedures                                      | surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Non-sparking tools should be used. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. |
| Environmental precautions                             | : Try to prevent the material from entering drains or water courses. Do not let product enter drains.  |
| Methods and materials for containment and cleaning up | : Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.  |

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### SECTION 7. HANDLING AND STORAGE

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| Advice on protection against fire and explosion | : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.  |
| Advice on safe handling                         | : Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Keep away from heat and sources of ignition. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. |
| Conditions for safe storage                     | : Keep container tightly closed in a dry and well-ventilated place.  |
| Further information on storage conditions       | : Incompatible with oxidizing agents. Incompatible with strong acids and bases.  |
| Further information on storage stability        | : Keep in a dry place.   |

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

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|-----------------------------|--|
| <b>Engineering measures</b> | : It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief |
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## LOWILITE® 22 POWDER

Version 1.8  
Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

vents or an explosion suppression system or an oxygen deficient environment.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas.

Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> - respirable particles, 10 mg/m<sup>3</sup> - inhalable particles.

Use with local exhaust ventilation.

### Personal protective equipment

Respiratory protection	:	In the case of dust or aerosol formation use respirator with an approved filter. Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Hand protection	:	Polyvinyl alcohol or nitrile- butyl-rubber gloves
Remarks	:	Before removing gloves clean them with soap and water.
Eye protection	:	Eye wash bottle with pure water Tightly fitting safety goggles
Skin and body protection	:	Dust impervious protective suit Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

### Environmental exposure controls

Water	:	Do not let product enter drains.
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# SAFETY DATA SHEET



## LOWILITE® 22 POWDER

Version 1.8      Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

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Do not let product enter drains.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder
Color	: yellow
Odor	: slight
Odor Threshold	: No data available
pH	: No data available
Melting point/range	: 47 - 50 °C / 47 - 50 °C
Boiling point/boiling range	: > 400 °C / 400 °C
Flash point	: 246 °C / 246 °C Method: closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapor pressure	: < 0.133 hPa (20 °C / 20 °C)
Relative vapor density	: No data available
Relative density	: 1.16
Density	: 1.16 g/cm <sup>3</sup>
Bulk density	: No data available
Solubility(ies)	
Water solubility	: < 0.0001 g/l (20 °C / 20 °C)
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: > 6
Autoignition temperature	: 370 °C / 370 °C
Decomposition temperature	: > 350 °C / 350 °C
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available



**LOWILITE® 22 POWDER**

Version 1.8      Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

---

**Serious eye damage/eye irritation****Product:**

Remarks : The product is not considered as being an eye irritant.

**Components:****octabenzone:**Species : Rabbit  
Result : No eye irritation**Respiratory or skin sensitization****Product:**

Remarks : Causes sensitization.

**Components:****octabenzone:**Species : Guinea pig  
Assessment : May cause sensitization by skin contact.  
Method : OECD Test Guideline 406  
GLP : yes**Germ cell mutagenicity****Components:****octabenzone:**Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: noGerm cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects  
Based on available data, the classification criteria are not met.**Carcinogenicity****Product:**

Carcinogenicity - Assessment : No data available

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

# SAFETY DATA SHEET



## LOWILITE® 22 POWDER

Version 1.8  
Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

---

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

**Product:**

Reproductive toxicity - Assessment : No data available

### STOT-single exposure

**Product:**

Remarks : No data available

### STOT-repeated exposure

**Product:**

Remarks : No data available

### Repeated dose toxicity

Based on available data, the classification criteria are not met.

### Aspiration toxicity

**Product:**

No data available

### Further information

**Product:**

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Product:**

Toxicity to fish :  
Remarks: Not classified due to lack of data.

Toxicity to daphnia and other aquatic invertebrates :  
Remarks: Not classified due to lack of data.

Toxicity to algae/aquatic plants :  
Remarks: Not classified due to lack of data.

Toxicity to microorganisms :  
Remarks: Not classified due to lack of data.

# SAFETY DATA SHEET



## LOWILITE® 22 POWDER

Version 1.8      Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

---

### **Components:**

#### **octabenzene:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
GLP: no

Toxicity to algae/aquatic plants : EC50 (Scenedesmus species): > 100 mg/l  
End point: Growth inhibition

Toxicity to microorganisms : EC80 (Bacteria): > 100 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition  
Method: OECD Test Guideline 209  
GLP: no

#### **Persistence and degradability**

There is no data available for this product.

#### **Bioaccumulative potential**

##### **Product:**

Bioaccumulation : Remarks: No data available

#### **Mobility in soil**

##### **Product:**

Mobility : Remarks: No data available

#### **Other adverse effects**

##### **Product:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: 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).

Additional ecological information : There is no data available for this product.

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal methods**

# SAFETY DATA SHEET



## LOWILITE® 22 POWDER

Version 1.8  
Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

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- Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
- 

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

##### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

##### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

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### SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know

##### CERCLA Reportable Quantity

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

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

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

Components	CAS-No.	Component TPQ (lbs)
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**SARA 311/312 Hazards** : See section 2 for classified hazards based on component information

**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).

---

# SAFETY DATA SHEET



## LOWILITE® 22 POWDER

Version 1.8  
Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

octabenzene	1843-05-6
Not listed	

#### New Jersey Right To Know

octabenzene	1843-05-6
Not listed	

#### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### The ingredients of this product are reported in the following inventories:

TSCA	: On TSCA Inventory
REACH	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
CH INV	: On the inventory, or in compliance with the inventory

# SAFETY DATA SHEET

## LOWILITE® 22 POWDER

Version 1.8      Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

TCSI : Not in compliance with the inventory

### TSCA list

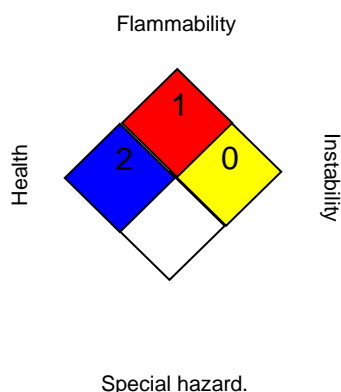
No substances are subject to a Significant New Use Rule.

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

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH	/	2
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.

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; 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

# SAFETY DATA SHEET



## LOWILITE® 22 POWDER

Version 1.8  
Revision Date: 09/27/2022

Date of last issue: 09/17/2019  
Date of first issue: 06/28/2007

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, Bioaccumulative 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; 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

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

Revision Date : 09/27/2022

The information and recommendations contained in this safety data sheet are, to the best of SI Group's knowledge, belief and experience, accurate and reliable as of the date of its publication and describe the product only with regard to safety requirements. It is the user's responsibility to confirm that it is using the most current available version of this safety data sheet. The information and recommendations herein are offered for the user's consideration and examination. Identified uses in this safety data sheet do neither represent an agreement on the quality of the Product nor a designated use. For the avoidance of doubt, nothing herein shall be construed as relieving the user of its responsibility to ensure that the product is suitable for the intended use and that any proprietary rights, existing laws and legislation are observed. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING THE PRODUCT DESCRIPTIONS, DATA OR INFORMATION HEREIN. This safety data sheet is neither a Certificate of Analysis (CoA) nor a technical data sheet and shall not be mistaken for a description of the product's specifications. If user repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the packaging. Appropriate warnings and safe-handling procedures should be provided to handlers and further users of the product. Alteration of this document is strictly prohibited. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted.

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