

85 Jetson Lane • Central Islip • NY 11722 • 516.935.4000 NUVITE Chemical Compounds is a Division of UPI

Advanced Surfacing Products & Technology • www.universalphotonics.com • www.nuvitechemical.com

# **SAFETY DATA SHEET**

This safety data sheet was created pursuant to the requirements of: U.S. OSHA Hazard Communication Standard (HCS), 29CFR 1910.1200

Revision date 10-Jan-2023 Revision Number 1

1. Identification

**Product identifier** 

Product Name Nulmage

Other means of identification

Product Code(s) PC2300 SERIES

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Restricted to professional users

Restrictions on use No information available

Details of the supplier of the safety data sheet

<u>Supplier Address</u> Universal Photonics, Inc. 85 Jetson Lane Central Islip, NY 11722

Emergency telephone number

Emergency Telephone Verisk 3E™: ACCT # 3665 Access Code: 333748

Domestic: 1-866-519-4752 International: +1-760-602-8700

# 2. Hazard(s) identification

#### Classification

Carcinogenicity Category 2

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Warning

Hazard statements

Suspected of causing cancer.



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Appearance No information available

Physical state Paste / Gel Liquid

**Odor** Solvent

#### **Precautionary Statements - Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention.

#### **Precautionary Statements - Storage**

Store locked up.

# **Precautionary Statements - Disposal**

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

#### Other information

May be harmful in contact with skin Causes mild skin irritation Harmful to aquatic life

# 3. Composition/information on ingredients

#### Substance

Not applicable.

#### <u>Mixture</u>

Chemical name	CAS No	Weight-%
Kaolin	1332-58-7	10 - 20%
Morpholine	110-91-8	0 - 1%
Sodium o-phenylphenolate	132-27-4	0 - 1%

# 4. First-aid measures

## **Description of first aid measures**

**General advice** 

IF exposed or concerned: Get medical advice/attention.



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**Inhalation** Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash skin with soap and water.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

**Symptoms** Prolonged contact may cause redness and irritation.

Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

5. Fire-fighting measures

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

No information available.

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge None.

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

**Other information** Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

# 7. Handling and storage



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Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

# 8. Exposure controls/personal protection

#### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or

level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other

recommended limit. At this time, the other relevant constituents have no known exposure

limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Kaolin	TWA: 2 mg/m <sup>3</sup> particulate	TWA: 15 mg/m³ total dust	TWA: 10 mg/m <sup>3</sup> total dust
1332-58-7	matter containing no asbestos	TWA: 5 mg/m³ respirable	TWA: 5 mg/m <sup>3</sup> respirable dust
	and <1% crystalline silica,	fraction	
	respirable particulate matter	(vacated) TWA: 10 mg/m <sup>3</sup> total	
		dust	
		(vacated) TWA: 5 mg/m <sup>3</sup>	
		respirable fraction	
Morpholine	TWA: 20 ppm	TWA: 20 ppm	IDLH: 1400 ppm
110-91-8	S*	TWA: 70 mg/m <sup>3</sup>	TWA: 20 ppm
		(vacated) TWA: 20 ppm	TWA: 70 mg/m <sup>3</sup>
		(vacated) TWA: 70 mg/m <sup>3</sup>	STEL: 30 ppm
		(vacated) STEL: 30 ppm	STEL: 105 mg/m <sup>3</sup>
		(vacated) STEL: 105 mg/m <sup>3</sup>	
		(vacated) S*	
		S*	

## **Appropriate engineering controls**

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.



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exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

None known

# 9. Physical and chemical properties

Information on basic physical and chemical properties

**Physical state** Paste / Gel Liquid **Appearance** No information available

Color silver Odor Solvent

**Odor threshold** No information available

Remarks • Method **Property Values** 

9.4 - 9.9 pН

Melting point / freezing point No data available None known

Boiling point / boiling range 100 °C / 212 °F Flash point 61 °C / 141.8 °F

**Evaporation rate** No data available None known Flammability (solid, gas) No data available None known

Flammability Limit in Air Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapor pressure No data available None known Vapor density No data available None known

Relative density 0.95

Water solubility No data available None known Solubility(ies) No data available None known **Partition coefficient** No data available None known **Autoignition temperature** No data available None known None known

**Decomposition temperature** 

Kinematic viscosity 50 mm<sup>2</sup>/s

**Dynamic viscosity** No data available None known

Other information

**Explosive properties** No information available **Oxidizing properties** No information available No information available Softening point Molecular weight No information available **VOC Content (%)** No information available **Liquid Density** No information available **Bulk density** No information available

# 10. Stability and reactivity

Reactivity No information available.

**Chemical stability** Stable under normal conditions.

# Nuvite TM CHEMICAL COMPOUNDS

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Possibility of hazardous reactions None under normal processing.

**Conditions to avoid**None known based on information supplied.

**Incompatible materials**None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

# 11. Toxicological information

# Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available. Causes mild skin irritation.

May be harmful in contact with skin.

**Ingestion** Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Prolonged contact may cause redness and irritation.

**Acute toxicity** 

**Numerical measures of toxicity** 

The following values are calculated based on chapter 3.1 of the GHS document

 ATEmix (oral)
 5,120.80 mg/kg

 ATEmix (dermal)
 2,845.70 mg/kg

 ATEmix (inhalation-gas)
 99,999.00 ppm

 ATEmix (inhalation-dust/mist)
 99,999.00 mg/l

 ATEmix (inhalation-vapor)
 99,999.00 mg/l

**Component Information** 

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	•
Morpholine 110-91-8	= 1050 mg/kg (Rat)	310 - 810 mg/kg (Rabbit)	> 8000 ppm (Rat) 8 h
Sodium o-phenylphenolate 132-27-4	= 1000 mg/kg (Rat)	-	-

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Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation**Classification based on data available for ingredients. May cause skin irritation.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients. Suspected of causing cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Morpholine	-	Group 3	-	-
110-91-8		-		
Sodium	-	Group 2B	-	X
o-phenylphenolate		·		
132-27-4				

#### Legend

#### IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

#### OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure**No information available.

Target organ effects Respiratory system, Gastrointestinal tract (GI).

**Aspiration hazard** No information available.

Other adverse effects No information available.

Interactive effects No information available.

# 12. Ecological information

**Ecotoxicity** Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Morpholine	EC50: =28mg/L (96h,	LC50: =350mg/L (96h,	-	-
110-91-8	Pseudokirchneriella	Lepomis macrochirus)		
	subcapitata)	LC50: 375 - 460mg/L		

# NUVICE TM CHEMICAL COMPOUNDS

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(96h, Oncorhynchus	
mykiss)	
LC50: >1000mg/L (96h,	
Brachydanio rerio)	

Persistence and degradability No information available.

**Bioaccumulation** There is no data for this product.

**Component Information** 

Chemical name Partition coefficient	
Morpholine	-0.84
110-91-8	-2.55

Other adverse effects No information available.

# 13. Disposal considerations

#### Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

# 14. Transport information

Not regulated DOT **TDG** Not regulated Not regulated MEX Not regulated ICAO (air) Not regulated IATA IMDG Not regulated <u>RID</u> Not regulated Not regulated <u>ADR</u> ADN Not regulated



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# 15. Regulatory information

**International Inventories** 

**TSCA** Does not comply **DSL/NDSL** Does not comply **EINECS/ELINCS** Does not comply **ENCS** Does not comply **IECSC** Does not comply **KECL** Does not comply **PICCS** Does not comply **AICS** Complies

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Sodium o-phenylphenolate - 132-27-4	0.1

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

## **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **US State Regulations**

#### **California Proposition 65**



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This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65
Sodium o-phenylphenolate - 132-27-4	Carcinogen

#### U.S. State Right-to-Know Regulations

**US State Regulations** 

This product does not contain any substances regulated by state right-to-know regulations

## **US State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Kaolin	X	X	X
1332-58-7			
Morpholine	X	X	X
110-91-8			
Sodium o-phenylphenolate	X	X	-
132-27-4			

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

# 16. Other information

NFPAHealth hazards0Flammability2Instability0Physical and chemical properties -HMISHealth hazards0 \*Flammability2Physical hazards0Personal protectionX

Chronic Hazard Star Legend \*= Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

#### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)



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National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

RTECS (Registry of Toxic Effects of Chemical Substances)

World Health Organization

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**Revision Note** No information available.

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**End of Safety Data Sheet**