

Section 1: Company and Product Identification

Product Name: GUARDEON

Product use: Protection of Concrete, Stone and Masonry

Effective Date: January 1, 2021

Manufacturer Information:

Section 2: Hazards Identification

GHS Pictogram



Irritant

GHS Signal Word: WARNING

This product is alkaline. Avoid contact with eyes and skin.

Keep out of reach of children. The product may be harmful if it is inhaled or swallowed.

POTENTIAL HEALTH EFFECTS:

CODE OF HAZARD STATEMENTS:

Physical hazards

None.

Health Hazards

H303-may be harmful if swallowed.

H312-Harmful in contact with skin.

H319-Causes serious eye irritation.

H333-May be harmful if inhaled.

Environmental hazards

None.

CODE OF PRECAUTIONARY STATEMENTS:

General

P101-Keep out of reach of children.

P103-Read label before use.

Prevention statements

P202-Do not handle until all safety precautions have been read and understood.

P262-Do not get in eyes, on skin or on clothing.

P264-Wash thoroughly after handling using this product.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

P284-Wear respiratory protection.

Response statements

P312-Call a POISON CENTER or doctor/physician if you feel unwell.

P331-DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P403-Store in well-ventilated place.

P404-Store in a closed container.

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.

CARCINOGENICITY: None known at this time.

Safety Data Sheet

GUARDEON

Personal Protection:

Eyes: Wear safety goggles or safety glasses to prevent eye contact.

Body: Long sleeve shirts, long pants, socks, rubber boots and chemical resistant gloves.

Hands: Chemical resistant gloves

Respiratory: Wear an approved respirator (NIOSH TC-84A rated or EN 14387) that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

Other: None

Section 9: Physical and Chemical Properties

Color/Odor	Whitish/ ammonia	Vapor Pressure	< 2.2 torr @ 68 °F (20 °C)
pH	10.9-11.3	Density(water=1)	1.04 @ 68°F (20 °C)
VOC	< 50g/L	Solubility	> 95 % in water
Evaporation rate(water=1)	< 1.0	Boiling Point	212 °F (100 °C)
Freezing point	0 °C (32 °F)	Vapor density (air=1)	> 1

Section 10: Stability and Reactivity

Chemical Stability: Considered stable under normal ambient temperatures.

Hazardous Decomposition: If complete combustion, oxides of carbon and silicates are formed.

Hazardous Polymerization: Will not occur.

Incompatibility--Materials to Avoid: May react with strong oxidizing agents and strong acids.

Section 11: Toxicological Information

Acute Eye Irritation: Irritating.

Acute Skin Irritation: Chronic exposure may be irritating.

Acute Dermal Toxicity: Not expected to be toxic through the skin.

Acute Inhalation Toxicity: Not determined, expected to be an irritant to the respiratory system.

Carcinogenic Effects: None

Existing Medical Conditions Aggravated by Exposure: Exposure to eyes and skin may cause irritation to pre-existing conditions.

Section 12: Ecological Information

Ecotoxicity: The toxicity of this product has not been determined.

Environmental Fate: This product should be expected to be readily biodegradable.

Section 12: Disposal

Waste Disposal Method: Use up or dry out left over material and dispose of per regulations. Do not dump in storm drains or sewers.

Container Handling and Disposal: All containers should be disposed of according to local, state and Federal regulations. Readily recyclable once cleaned.

Section 14: Transportation

Ground Classification: Not regulated by US DOT

Shipping Name: None

Technical Shipping Name: None

UNFIC: None

ID Number: None

Packaging Group: None

Labels: No US DOT Labels

Not regulated by IATA or IMO

Section 15: Regulatory Information

EPCRA 311/312 Categories: Immediate (Acute) Health

Effects: Delayed (Chronic) Health Effects: Yes Yes

Fire Hazard: No
Sudden Release of Pressure: No
Reactivity: No

European Community:  irritating (Xi) substances

Right to know classification: All ingredients are listed in CA, FL, MA, MI, MN, PA and NJ.

TSCA: All ingredients listed or exempt from listing.

Reportable Quantity (RQ): None

Prop. 65: None

WHMIS: Xi (Irritant to the eyes and skin)

All ingredients are listed as chemical inventories of ACIS, ECL, EEC, ENCS, EU, Israel, MAC, MAK, MITI, PICCS, SWISS, Taiwan, USA and UK

ABBREVIATIONS:

CAS #

Chemical Abstract Service Number

EINECS European Inventory of existing Commercial Chemical Sales

°C Celsius temperature scale

°F Fahrenheit temperature scale

Prop. TLV STEL

Proprietary Threshold Limit Value Short-term Exposure Limit

PE TWA PEL

Personal Protective Equipment Time Weighted Average Permissible Exposure Limit

OSHA NFPA

Occupational Safety & Health National Fire Protection Agency

NIOSH National Institute of Safety & Health WHMIS Workplace Hazardous Materials Information System

NTP RCRA EC50 LD50 LEL NDA

National Toxicology Program Resource Conservation Recovery Act Effective Dose Lethal Dose Lower explosive limit No Data Available

IARC TSCA LC50 CAS UEP ND

Int. Agency for Research on Cancer Toxic Substance Control Act Lethal Inhalation Concentration Chemical Abstract Service Number Upper explosive limit Not determined

NE None established

NA Not Applicable

< Less Than or Equal To

> Greater Than or Equal To

CNS DSL EEC EU

European Economic Commission European Union

Germany

MAK

Central Nervous System Canada

Safety Data Sheet

GUARDEON

CI ECL ENCS MAC
MITI

China
Korean Existing Chemicals
List
Japanese Existing and New
Chemical List Netherlands
Japan

PICCS

Philippines

SWISS Giftliste 1

UK United Kingdom

USA

United States

VOC

Volatile organic content

ACGIH American Conference
of Government Industrial
Hygienists

SARA AICS IARC
Taiwan

Superfund
Amendments and
Reauthorization Act
Australian
Inventory
of
Chemical
Substances
International
Agency
for
Research
on
Cancer

List of Toxic Chemical Substances regulated
under Taiwan Toxic Chemical Substances
Control Act of 1086

Section 16 Other Information**Hazardous Material Information (HMIS)****National Fire Protection Association (NFPA)**

Health	1	0	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	C	Alk	Specific

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

Risk phrases: R36, Irritating to eyes; R37, Irritating to respiratory system; and R38, Irritating to skin.

Safety phrases: S2, Keep out of reach of children; S24, Avoid contact with skin; S25, Avoid contact with eyes; S37, Wear suitable gloves; and S39, Wear eye/face protection.

Disclaimer:

The information is furnished without warranty, representation, or inducement, and is accurate to the best of Pantheon's knowledge. Because use conditions and laws differ from one location to another and may change with time, the user is responsible for determining whether the information is appropriate for recipient's use. Pantheon has no control over how this information may be ultimately used, consequently, all liability is disclaimed and Pantheon assumes no liability.