## **SAFETY DATA SHEET**

**BG Universal Super Cool®** 



## **Section 1. Identification**

GHS product identifier

: BG Universal Super Cool®

**Product code** 

: 546

Other means of identification

: \$\notin 546-xxxx\$; 546E, 54632, 54632E, 5465, 54653, 5468, 5468CC, 5468E, 546B, 546CC,

P546

**Product type** 

: Liquid.

#### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** 

Coolant and antifreeze.

Supplier's details

: BG Products Inc. 740 S. Wichita Street Wichita, KS, 67213, USA www.bgprod.com 316-266-8120 msds@bgprod.com

Emergency telephone number (with hours of operation)

: (800) 424-9300 (CHEMTREC) 24-hour telephone and/or website

7

## Section 2. Hazards identification

**OSHA/HCS** status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1

**GHS label elements** 

Hazard pictograms



Signal word

**D**anger

**Hazard statements** 

: Causes severe skin burns and eye damage.

**Precautionary statements** 

**Prevention** 

: Wear protective gloves, protective clothing and eye or face protection. Wash thoroughly after handling.

Response

INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before

Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. 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 or doctor.

**Storage** 

: Store locked up.

**Disposal** 

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 1/13

## Section 2. Hazards identification

Hazards not otherwise classified

: None known.

## Section 3. Composition/information on ingredients

Substance/mixture

Other means of identification

: Mixture

: \$\overline{\psi} 546-xxxx; 546E, 54632, 54632E, 5465, 54653, 5468, 5468CC, 5468E, 546B, 546CC,

P546

Ingredient name	%	CAS number
<b>w</b> ater	≥75 - ≤90	7732-18-5
disodium metasilicate	≤5	6834-92-0
potassium hydroxide	≤3	1310-58-3
dodecanedioic acid	≤3	693-23-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

#### **Description of necessary first aid measures**

**Eye contact** 

: Eet medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation

Eet medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

Eet medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

Eet medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye damage.

**Inhalation** : No known significant effects or critical hazards.

Skin contact : Causes severe burns.

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 2/13

## Section 4. First aid measures

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact Adverse symptoms may include the following:

> watering redness

Inhalation : No specific data.

**Skin contact** Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

: Adverse symptoms may include the following: Ingestion

stomach pains

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician reat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

: No specific treatment. **Specific treatments** 

: No action shall be taken involving any personal risk or without suitable training. If it is **Protection of first-aiders** 

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water

before removing it, or wear gloves.

#### See toxicological information (Section 11)

## Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing

media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing** 

media

: None known.

Specific hazards arising from the chemical

**Hazardous thermal** decomposition products : In a fire or if heated, a pressure increase will occur and the container may burst.

Decomposition products may include the following materials: carbon dioxide

carbon monoxide metal oxide/oxides

**Special protective actions** for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective** 

equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Date of issue/Date of revision Date of previous issue 3/13 : 10/3/2022 : 4/17/2019 Version : 6

## Section 6. Accidental release measures

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

#### **Environmental precautions**

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

#### **Small spill**

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

#### **Precautions for safe handling**

**Protective measures** 

: Fut on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### Conditions for safe storage, : including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

Ingredient name	Exposure limits
water disodium metasilicate potassium hydroxide	None. None. ACGIH TLV (United States, 1/2021). C: 2 mg/m³ OSHA PEL 1989 (United States, 3/1989). CEIL: 2 mg/m³ NIOSH REL (United States, 10/2020).
dodecanedioic acid	CEIL: 2 mg/m <sup>3</sup> None.

Date of issue/Date of revision Date of previous issue : 4/17/2019 4/13 : 10/3/2022 Version: 6

## Section 8. Exposure controls/personal protection

#### **Biological exposure indices**

No exposure indices known.

## Appropriate engineering controls

: Fuser operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

## **Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** 

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### **Skin protection**

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** 

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### **Appearance**

Physical state : Liquid.
Color : Amber.
Odor : Mild.

Odor threshold : Not available.

pH : 13.2 [Conc. (% w/w): 100%] [Acid/Alkali reserve used for classification: 67.3g NaOH/

100ml]

Melting point/freezing point Boiling point, initial boiling point, and boiling range : 👂 °C (15.8°F) : Not available.

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 5/13

# Section 9. Physical and chemical properties and safety characteristics

Flash point : Open cup: >200°C (>392°F)

Evaporation rate : Not available.
Flammability : Not available.
Lower and upper explosion : Not available.

limit/flammability limit

Vapor pressure :

	Vapo	Vapor Pressure at 20°C		Vapor pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
methanol	126.96	16.9				
water	23.8	3.2				
benzotriazole	0.04	0.0053				
2,2' -oxybisethanol	0.01	0.0013				
3,5,5-trimethylhexanoic acid	0	0				
dodecanedioic acid	0	0	OECD 104			
sebacic acid	0	0				

Relative vapor density : Not available.

Relative density : 1√.0053

Solubility(ies) :

Media Result

bold water Easily soluble Easily soluble

Solubility in water : Not available.

Miscible with water : Yes.

Partition coefficient: n-

octanol/water

: Not applicable.

: Not available.

**Auto-ignition temperature** 

Ingredient name	°C	°F	Method
<b>be</b> nzotriazole	210	410	
2,2' -oxybisethanol	229	444.2	DIN EN 14522-S
3,5,5-trimethylhexanoic acid	415	779	
methanol	455	851	DIN 51794

**Decomposition temperature** 

Viscosity : Not available.
Flow time (ISO 2431) : Not available.

**Particle characteristics** 

Median particle size : Mot applicable.

## Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 6/13

## Section 10. Stability and reactivity

**Incompatible materials** 

: Reactive or incompatible with the following materials: acids

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
potassium hydroxide	LD50 Oral LD50 Oral LD50 Dermal	Rat	1153 mg/kg 273 mg/kg >6000 mg/kg	- -

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
disodium metasilicate	Skin - Moderate irritant	Guinea pig	-	24 hours 250	-
				mg	
	Skin - Severe irritant	Human	-	24 hours 250	-
	Skin - Severe irritant	Rabbit		mg 24 hours 250	
	Skin - Severe imiani	Rabbit	-		-
potassium hydroxide	Eyes - Moderate irritant	Rabbit	_	mg 24 hours 1	_
				mg	
	Skin - Severe irritant	Guinea pig	-	24 hours 50	-
				mg	
	Skin - Severe irritant	Human	-	24 hours 50	-
	Chin Covern imitant	Dabbit		mg	
	Skin - Severe irritant	Rabbit	-	24 hours 50	-
dodecanedioic acid	Eyes - Mild irritant	Rabbit	-	mg 0.1 MI	-

#### **Sensitization**

Not available.

#### Mutagenicity

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

Information on the likely routes of exposure

: Not available.

Potential acute health effects

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 7/13

## Section 11. Toxicological information

**Eye contact** : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes severe burns.

**Ingestion** : No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

Inhalation : No specific data.

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

**Ingestion**: Kdverse symptoms may include the following:

stomach pains

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

**Potential immediate** 

effects

: Not available.

Potential delayed effects: Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects: Not available.

#### Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : No known significant effects or critical hazards.
 Developmental effects : No known significant effects or critical hazards.
 Fertility effects : No known significant effects or critical hazards.

#### **Numerical measures of toxicity**

#### **Acute toxicity estimates**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	(gases)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
G Universal Super Cool® disodium metasilicate potassium hydroxide	10286.5	N/A	N/A	N/A	N/A
	1153	N/A	N/A	N/A	N/A
	273	N/A	N/A	N/A	N/A

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 8/13

## Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
₫sodium metasilicate	_	Crustaceans - Ceriodaphnia	48 hours
		dubia - Neonate	
	Acute LC50 2320 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
potassium hydroxide	Acute LC50 80 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name L	LogP <sub>ow</sub>	BCF	Potential
II.	-1.38 3.2		low low

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

## Section 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **Section 14. Transport information**

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	<b>☑</b> N3266	<b>№</b> N3266	<b>☑</b> N3266	<b>№</b> N3266	<b>№</b> N3266	<b>☑</b> N3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (disodium metasilicate, potassium hydroxide)	©ORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (disodium metasilicate, potassium hydroxide)	IQUIDO CORROSIVO, BASICO, INORGANICO, N.E.P. (disodium metasilicate, potassium hydroxide)	©ORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (disodium metasilicate, potassium hydroxide)	©ORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (disodium metasilicate, potassium hydroxide)	Corrosive liquid, basic, inorganic, n.o.s. (disodium metasilicate, potassium hydroxide)
Transport hazard class(es)	S CONTROLLER	8	8	8	8	<b>8</b>

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 9/13

## **Section 14. Transport information**

Packing group	M	₩	₩	M	<b>M</b>	₩
Environmental hazards	No.	No.	No.	No.	No.	No.

**Additional information** 

**DOT Classification** : Limited quantity Yes.

> Packaging instruction Exceptions: 154. Non-bulk: 203. Bulk: 241. Quantity limitation Passenger aircraft/rail: 5 L. Cargo aircraft: 60 L.

Special provisions IB3, T7, TP1, TP28

**TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous

Goods Regulations: 2.40-2.42 (Class 8).

**Explosive Limit and Limited Quantity Index** 5 Passenger Carrying Road or Rail Index 5

**Special provisions** 16

**Mexico Classification** Special provisions 223, 274

: Hazard identification number 80 ADR/RID

> **Limited quantity** 5 L **Special provisions** 274

Tunnel code (E)

**IMDG** : Emergency schedules F-A, S-B

Special provisions 223, 274

**IATA** : Quantity limitation Passenger and Cargo Aircraft: 5 L. Packaging instructions: 852.

Cargo Aircraft Only: 60 L. Packaging instructions: 856. Limited Quantities - Passenger

Aircraft: 1 L. Packaging instructions: Y841.

Special provisions A3, A803

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in the

event of an accident or spillage.

Transport in bulk according : Not available.

to IMO instruments

## Section 15. Regulatory information

: TSCA 4(a) proposed test rules: benzotriazole U.S. Federal regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 311: potassium hydroxide

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs)**  Listed

**Clean Air Act Section 602** 

**Class I Substances** 

: Not listed

Clean Air Act Section 602

Class II Substances

: Not listed

**DEA List I Chemicals** 

(Precursor Chemicals)

: Not listed

**DEA List II Chemicals** (Essential Chemicals) : Not listed

**SARA 302/304** 

**Composition/information on ingredients** 

No products were found.

SARA 304 RQ : Not applicable.

Date of issue/Date of revision 10/13 : 10/3/2022 : 4/17/2019 Version: 6 Date of previous issue

## Section 15. Regulatory information

#### **SARA 311/312**

Classification : SKIN CORROSION - Category 1

SERIOUS EYE DAMAGE - Category 1

#### **Composition/information on ingredients**

Name	%	Classification
disodium metasilicate	≤5	ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
potassium hydroxide	≤3	ACUTE TOXICITY (oral) - Category 3 SKIN IRRITATION - Category 2
dodecanedioic acid	≤3	EYE IRRITATION - Category 2A EYE IRRITATION - Category 2B

#### State regulations

Massachusetts : The following components are listed: POTASSIUM HYDROXIDE

New York : The following components are listed: Potassium hydroxide

New Jersey : The following components are listed: POTASSIUM HYDROXIDE; POTASSIUM

HYDRATE; CAUSTIC POTASH

Pennsylvania : The following components are listed: POTASSIUM HYDROXIDE

#### California Prop. 65

MARNING: This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Methanol	-	Yes.

#### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### **Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

#### **Inventory list**

**Japan** 

Australia : MI components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

**Eurasian Economic Union**: Russian Federation inventory: Not determined.

Japan inventory (CSCL): Not determined.
 Japan inventory (ISHL): Not determined.

: All components are listed or exempted.

New Zealand : All components are listed or exempted.
Philippines : All components are listed or exempted.
Republic of Korea : All components are listed or exempted.
Taiwan : All components are listed or exempted.
Thailand : All components are listed or exempted.

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 11/13

## Section 15. Regulatory information

Turkey: All components are listed or exempted.
United States: All components are active or exempted.
Viet Nam: All components are listed or exempted.

### Section 16. Other information

#### **Hazardous Material Information System (U.S.A.)**



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

#### **National Fire Protection Association (U.S.A.)**



#### Procedure used to derive the classification

Classification	Justification
,	On basis of test data On basis of test data

#### **History**

Date of printing : 10/3/2022 Date of issue/Date of : 10/3/2022

revision

Date of previous issue : 4/17/2019

Version : 6
Formulation Version : 9.0

number

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available SGG = Segregation Group UN = United Nations

References : Not available.

✓ Indicates information that has changed from previously issued version.

**Notice to reader** 

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 12/13

## Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of issue/Date of revision : 10/3/2022 Date of previous issue : 4/17/2019 Version : 6 13/13