HealthLink®
A Family of Medical Products
Joining Forces to Serve the Healthcare Community

CLOROX HEALTHCARE®

Safety Data Sheet

Potassium Hydroxide 10% w/DMSO

Revision Date: 03/09/18

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier Trade name: Potassium Hydroxide 10% w/DMSO
Product code(s): 400521

1.2 Relevant identified uses Laboratory Reagent

Supplier: HealthLink, Inc

800-441-0366 Technical Service
Monday-Friday: 8:00 -5:00 PM

Synonym: None.
Material uses: Laboratory Reagent.
Validation date: 12/11/2013
In case of emergency: 800-424-9300 CHEMTREC (USA)
24 Hours/Day: 7 Days/Week

2. HAZARDS IDENTIFICATION

Emergency Overview:

GHS Label Elements: Pictogram

Signal Word: **Danger!**

Hazard statement(s):

H290: May be corrosive to metals
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary statement(s):

P260: Do not breath dust/fume/gas/mist/vapors/spray
P305+P351+P353: IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing. Seek medical attention
P280: Wear protective gloves/ eye protection/ face protection.

NFPA Rating	HMIS Classification
Health hazard: 3	Health hazard: 3

Fire: 2	Flammability: 2
Reactivity Hazard: 0	Physical hazards: 0

Potential Health Effects : Inhalation – May cause respiratory tract irritation.
Skin - May cause skin irritation.
Eyes – May cause eye irritation.
Ingestion – Potentially toxic if swallowed in large quantities.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
DMSO	67-68-5	~40
Potassium Hydroxide	1310-58-3	10
Water	7732-18-5	Balance

4. FIRST AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.*

First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

First-aid measures after eye contact: 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/physician.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

5. FIREFIGHTING MEASURES

Extinguishing media: Use suitable media for surrounding materials. Use water fog, avoid direct stream.

Special exposure hazards: Avoid contact with strong oxidizers

Hazardous thermal decomposition products: Decomposition products: carbon dioxide, carbon monoxide

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment for surroundings.

Explosion hazards: Not-applicable

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

Incompatible products: Strong oxidizers. Strong reducing agents. Strong bases.

Incompatible materials: Sources of ignition. Direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Type	Value	Note
Potassium Hydroxide	ACGIH	Ceiling	2 mg/m3	
	NIOSH	REL	2 ppm	
DMSO	AIHA	TWA	250 ppm	

Personal protective equipment: Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask. Gas mask with filter type B.

Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Color: colorless

Flash Point: NA

Odor: Characteristic Odor

pH: NA

Boiling/condensation point: NA

Melting/freezing point: NA
Relative density: NA
Vapor pressure: NA
Vapor density: NA
Odor threshold: NA
Evaporation rate: NA
VOC: NA
Solubility: Soluble in the following materials: water

10. STABILITY AND REACTIVITY

10.1. Reactivity
No further relevant information available
10.2. Chemical stability
Stable under recommended storage conditions
10.3. Possibility of hazardous reactions
Vapors may form explosive mixture with air. Reacts violently with water.
10.4. Conditions to avoid
High temperatures, flames, sparks
10.5. Incompatible materials
Strong oxidizers,
10.6. Hazardous decomposition products
Carbon monoxide, carbon dioxide, Sulphur oxides, dimethyl sulfide

11. TOXICOLOGICAL INFORMATION

Water (7732-18-5)
LD50 oral rat ≥ 90000 mg/kg
ATE US (oral) 90000.000 mg/kg body weight

Dimethyl Sulfoxide (67-68-5)
LD50 oral rat 14500 mg/kg
LD50 dermal rat 40 g/kg
LC50 Inhalation rat >1600 mg/m3 4h

Potassium Hydroxide (1310-58-3)
LD50 oral rat 333 mg/kg
ATE US (oral) 333 mg/kg

Skin corrosion/irritation: Skin irritation
Serious eye damage/irritation: Causes serious eye irritation
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not Classified

12. ECOLOGICAL INFORMATION

Toxicity:
Potassium Hydroxide (1310-58-3)
LC50 fish 2 80 mg/l

Persistence and degradability: **no data available**
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available
Other adverse effects: no data available

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT (US)
UN 1814
Shipping Name: Potassium Hydroxide solution
Class: 8
Group: II

IATA
UN 1814
Shipping Name: Potassium Hydroxide solution
Class: 8
Marine Pollutant: No
Group: II

15. REGULATORY INFORMATION

15.1 US Federal Regulations
All components are listed on the United States TSCA (Toxic Substances Control Act) inventory
15.2 International Regulations
All components are listed on the Canadian DSL (Domestic Substances List)
15.3 US States Regulations
California Proposition 65- This product does not contain substances known to the state of California to cause cancer and/or reproductive harm.

RTK: MA, PA, NJ

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations

International lists:
Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.

16. OTHER INFORMATION

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

Notice to reader

This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall HealthLink, Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.