

Effective date: 22-05-2016	Hy-Labs Cat. No: BP-465	MSDS FORMAT MATERIAL SAFETY DATA SHEET	Replace Doc: NA
Doc. No: MSDS-BP-465			

1- Product and Company Identification	
Product Name	KOH 20%+GLYCEROL
Reference number	BP-465
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474
2- Composition, Information on Ingredients	
Ingredients Name	Cas #
Glycerol	56-81-5
Potassium hydroxide	1310-58-3
3- Hazard Specifications	
Health Hazards	Corrosive to metals (Category 1), H290 Acute toxicity, Oral (Category 4), H302 Skin corrosion (Category 1A), H314 May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage.
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
4- First Aid Measures	
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Eyes	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
5- Fire Fighting Measures	
Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
6- Accidental Release Measures	
Personal Precautions	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Spill	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
7- Handling and Storage	
Precautions	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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Storage	Store at 15-25°C.
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8- Exposure Controls, Personal Protection

Personal Protective Equipment	<p><u>Respiratory</u>- Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p><u>Skin</u>- Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p><u>Eyes/face</u>- Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</p> <p><u>Body</u>- Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p>
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9- Physical and Chemical Properties

Physical state	Liquid.
Color	Clear.

10- Stability and Reactivity

Stability	Heat of solution is very high, and with limited amounts of water, violent boiling may occur Stable under recommended storage conditions.
Incompatibility	Nitro compounds, Organic materials, Magnesium, Copper, Water, reacts violently with: Metals, Light metals, Contact with aluminum, tin and zinc liberates hydrogen gas. Contact with nitromethane and other similar nitro compounds causes formation of shock-sensitive salts., vigorous reaction with:, Alkali metals, Halogens, Azides, Anhydrides
Hazardous decomposition products	No data available

11- Toxicological Information

Primary irritant effect	<p><u>Acute toxicity</u> LD50 Oral - Rat - 333 mg/kg</p> <p>Skin corrosion/irritation Skin - Rabbit □ Result: Severe skin irritation - 24 h</p> <p><u>Serious eye damage/eye irritation</u> Eyes - Rabbit □ Result: Corrosive to eyes (OECD Test Guideline 405)</p> <p>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p>
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12- Ecological Information	
Ecological measures	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
13- Disposal Information	
Disposal Information	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Container Information	Dispose of as unused product.
14- Transport Information	
<u>UN number</u> ADR/RID: 1813 IMDG: 1813 IATA: 1813 <u>UN proper shipping name</u> ADR/RID: POTASSIUM HYDROXIDE, SOLID IMDG: POTASSIUM HYDROXIDE, SOLID IATA: Potassium hydroxide, solid <u>Transport hazard class(es)</u> ADR/RID: 8 IMDG: 8 IATA: 8 <u>Packaging group</u> ADR/RID: II IMDG: II IATA: II <u>Environmental hazards</u> ADR/RID: no IMDG Marine pollutant: no IATA: no	
15- Regulatory Information	
Safety Phrases	A Chemical Safety Assessment has been carried out for this substance.
16- Other Information	
For In-Vitro use only. The information in this MSDS is based on current and reliable sources but does not purport to be all inclusive and shall be used only as a guide.	