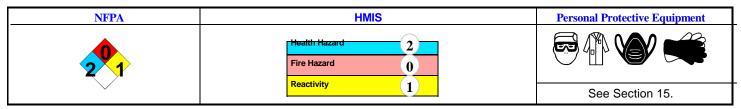




Material Safety Data Sheet



Section 1. Chemical Product and Company Identification			Page Number: 1
Common Name/ Trade Name	Eschka's Mixture	Catalog Number(s).	E1005
		CAS#	Mixture.
Manufacturer	SPECTRUM LABORATORY PRODUCTS INC.	RTECS	Not applicable.
14422 S. SAN PEDRO STREET GARDENA, CA 90248		TSCA	TSCA 8(b) inventory: Magnesium oxide; Sodium carbonate
Commercial Name(s)	Not available.	CI#	Not available.
Synonym	Not available.		EMEDOENOV
Chemical Name	Not applicable.		EMERGENCY (24hr) 800-424-9300
Chemical Family	Not available.	CALL (310) 5	16-8000
Chemical Formula	Not applicable.		
Supplier	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248		

Section 2.Composition and Information on Ingredients						
				Exposure Limits		
Name		CAS #	TWA (mg/m ³)	STEL (mg/m ³)	CEIL (mg/m ³)	% by Weight
1) Magnesium oxide 2) Sodium carbonate		1309-48-4 497-19-8	15			66.7 33.3
Toxicological Data on Ingredients Section 3. Hazards Io	Magnesium oxide LD50: Not available. LC50: Not available. Sodium carbonate: ORAL (LD50): Acute: 4090 mg/kg [Rat]. 6600 mg/kg [Mouse]. DUST (LC50): Acute: 2300 mg/m³ 2 hours [Rat]. 1200 mg/m³ 2 hours [Mouse].					
Potential Acute Health Effects	Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of ingestion, of inhalation.					
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for human or animal.) by ACGIH [Magnesium oxide]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.					

DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to upper respiratory tract, skin, eyes.

Repeated or prolonged exposure to the substance can produce target organs damage.

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Section 4. First Aid Measures			
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.		
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.		
Serious Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.		
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.		
Serious Inhalation	Not available.		
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.		
Serious Ingestion	Not available.		
Section 5. Fire and E	xplosion Data		
Flammability of the Product	Non-flammable.		
Auto-Ignition Temperature	Not applicable.		
Flash Points	Not applicable.		
Flammable Limits	Not applicable.		
Products of Combustion	Not available.		
Fire Hazards in Presence of Various Substances	Not applicable.		
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.		
Fire Fighting Media and Instructions	Not applicable.		
Special Remarks on Fire Hazards	Sodium carbonate can ignite and burn fiercely in contact with fluoride. Sodium Carbonate in contact with fluorine decomposed at ordinary temperature with incandescence.		
Special Remarks on Explosion Hazards	Magnesium Oxide may ignite and explode when heated with sublimed sulfur, magesium powder, or aluminum powder. (Magnesium oxide) Reacts explosively with red-hot aluminum metal. Sodium carbonate + ammonia in arabic gum solution will explode. (Sodium carbonate)		
Section 6. Accidental	Release Measures		
Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.		
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.		

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Section 7. Handling a	and Storage		
Precautions	Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.		
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.		
Section 8. Exposure	Controls/Personal Protection		
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.		
Personal Protection	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.		
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.		
Exposure Limits	Magnesium oxide TWA: 10 (mg/m³) from ACGIH (TLV) [United States] Inhalation Total. TWA: 4 (mg/m³) [United Kingdom (UK)] Inhalation Respirable. TWA: 15 (mg/m³) from OSHA (PEL) [United States] Inhalation Total. TWA: 10 (mg/m³) [United Kingdom (UK)] Inhalation Total. TWA: 10 (mg/m³) [United Kingdom (UK)] Inhalation Total. TWA: 10 STEL: 20 (mg/m³) [Canada]		
	Consult local authorities for acceptable exposure limits.		
Section 9. Physical a	nd Chemical Properties		
Physical state and appearance	Solid.	Odor	Not available.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Basic.	Color	Not available.
Boiling Point	Not available.		
Melting Point	2500°C (4532°F) based on data for: Magnesium oxide. Weighted average: 1950.88°C (3543.6°F)		
Critical Temperature	Not available.		
Specific Gravity	Weighted average: 3.15 (Water = 1)		
Vapor Pressure	Not applicable.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	See solubility in water.		
Solubility	Soluble in hot water. Partially soluble in cold water. Insoluble in acetone.		

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Section 10. Stability	and Reactivity Data
Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Incompatible materials, moisture/water
Incompatibility with various substances	Reactive with oxidizing agents, acids. Slightly reactive to reactive with moisture.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Reacts violently with CIF3 (Chlorine Trifluoride) and PCI5 (Phosphorous Pentachloride). Hygroscopic. Air Sensitrive. Moisture sensitive. Readily absorbs moisture and carbon dioxide when exposed to air. Hydrates slowly in contact with moisture. Takes up carbon dioxide and water from the air. This happens more readily for the light form vs. the heavy form. Slight alkaline reaction to water. (Magnesium oxide) Hygroscopic. Combines with water with evolution of heat. Incompatible with phosphorus pentoxide, lithium, fluorine, fluoride, ammonia + silver nitrate, 2,4,6-trinitrotoluene, ammonia, acids, sodium sulfide + water, hydrogen peroxide, red hot alumium metal, sodium sulfide, zinc, calcium hydroxide. Sodium Carbonate is decomposed by acids with effervescence. Reacts violently with F2, Lithium, and 2,4,6-trinitrotoluene. Sodium begins to decompose at 400 C to evolve CO2. (Sodium carbonate)
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur.
Section 11. Toxicolo	gical Information
Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 4090 mg/kg [Rat]. (Sodium carbonate).
Chronic Effects on Humans	CARCINOGENIC EFFECTS : Classified A4 (Not classifiable for human or animal.) by ACGIH [Magnesium oxide]. Contains material which may cause damage to the following organs: upper respiratory tract, skin, eyes.R68-
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant). Slightly hazardous in case of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	LDL (Lowest Published Lethal Dose) [Man] - Route: Oral; Dose: 714 mg/kg (Sodium carbonate)
Special Remarks on Chronic Effects on Humans	May cause adverse reproductive effects based on animal test data (Sodium carbonate)
Special Remarks on other Toxic Effects on Humans	 Acute Potential Health Effects: Skin: Mild Alkali. May cause skin irritation. Eyes: Mild Alkali. Causes eye irritation. Inhalation: May cause respiratory tract irritation with nausea, vomiting, and diarrhea. Chronic Potential Health Effects: Inhalation: Repeated or prolonged exposure may result in Metal Fume Fever. Metal Fume Fever is a flu-like condition consisting of fever, chills, sweating, aches, pains, cough, weakness, headache, nausea, vomiting, and breathing difficulty. There is no permanent ill-effect. Metal Fume Fever resulting from Magnesium Oxide fumes has reportedly occurred in foundry workers. Repeated or prolonged exposure may also affect the blood and brain based on animal data. No human data found (Magnesium oxide) Acute Potential Health Effects: Skin: Causes skin irritation with possible burns depending on the concentration, site (abraded or intact skin), and duration of exposure. Eyes: Causes eye irritation and possible burns. Concentrated solutions may cause permanent corneal injury (permanent corneal opacity). Ingestion: Sodium carbonate ingestion may cause irritation of the digestive tract resulting in nausea,

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	vomiting, diarrhea, thirst, abdominal pain depending on concentration and amount ingested. May also affect the cardiovascular system . Inhalation: Dust may cause respiratory tract and mucous membrane irritation with coughing and shortness of breath (dyspnea), pulmonary edema. Chronic Potential Health Effects: Chronic inhalation may result in decreased pulmonary function, nasal congestion, nosebleeds, perforation of the nasal septum. Other effects of chronic exposure are skin (dermatitis and ulceration), and gastrointestina complaints. However, the effects of chronic exposure seem to be reversible if exposure is decreased. (Sodium Carbonate)		
Section 12. Ecologic	cal Information		
Ecotoxicity	Not available.		
BOD5 and COD	Not available.		
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.		
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.		
Special Remarks on the Products of Biodegradation	Not available.		
Section 13. Disposa	I Considerations		
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.		
Section 14. Transpo	ort Information		
DOT Classification	Not a DOT controlled material (United States).		
Identification	Not applicable.		
Special Provisions for Transport	Not applicable.		
DOT (Pictograms)			
Section 15. Other Re	egulatory Information and Pictograms		
Section 15. Other Re Federal and State Regulations	egulatory Information and Pictograms Rhode Island RTK hazardous substances: Magnesium oxide Pennsylvania RTK: Magnesium oxide Minnesota: Magnesium oxide Massachusetts RTK: Magnesium oxide New Jersey: Magnesium oxide TSCA 8(b) inventory: Magnesium oxide; Sodium carbonate		
Federal and State	Rhode Island RTK hazardous substances: Magnesium oxide Pennsylvania RTK: Magnesium oxide Minnesota: Magnesium oxide Massachusetts RTK: Magnesium oxide New Jersey: Magnesium oxide		
Federal and State Regulations California Proposition 65	Rhode Island RTK hazardous substances: Magnesium oxide Pennsylvania RTK: Magnesium oxide Minnesota: Magnesium oxide Massachusetts RTK: Magnesium oxide New Jersey: Magnesium oxide		
Federal and State Regulations California Proposition 65 Warnings	Rhode Island RTK hazardous substances: Magnesium oxide Pennsylvania RTK: Magnesium oxide Minnesota: Magnesium oxide Massachusetts RTK: Magnesium oxide New Jersey: Magnesium oxide TSCA 8(b) inventory: Magnesium oxide; Sodium carbonate		

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HMIS (U.S.A.)	Health Hazard 2 Fire Hazard 0 Reactivity 1 Personal Protection E	Flammability Reactivity Specific hazard
WHMIS (Canada) (Pictograms)		
DSCL (Europe) (Pictograms)	X	
TDG (Canada) (Pictograms)		
ADR (Europe) (Pictograms)		
Protective Equipmo	Lab coat.	
	Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.Splash goggles.	
Section 16. Othe	r Information	
MSDS Code	E3170	
References	Not available.	
	Major Uses: In manufacture of sodium salts, glass, soap; for washing wool, texti general cleanser; in water softening; in photography; as a reagent in analytical cl petroleum refining; sealing ponds from leakage; component of cleaners and dete sourch of soda as a fluxing agent in glass manufacturing. (Sodium carbonate)	nemistry; in aluminum productioin; in
Continued on N	lext Page	

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Validated by Sonia Owen on 1/25/2013.	Verified by Sonia Owen.
	Printed 1/25/2013.

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.