



SECTION 1 – PRODUCT IDENTIFICATION

TRADE NAME: Mei-Cha® Zap[™] Pigment Lightener COMPANY CODE: Beige-490, TATTOO REMOVAL ZAP OTHER MEANS OF IDENTIFICATION: Pigment Lightener RECOMMENDED USE OF MIXTURE: For professional use only to lift, lighten, or flush pigment from the dermis. SUPPLIER DETAILS:

MEI-CHA GLOBAL

75 Bunsen Irvine, CA USA 92618 http://www.mei-cha.com/

Emergency Phone Number: CHEMTREC International1-(352)-323-3500; US & Canada-1-(800)-535-5053

SECTION 2- HAZARDS IDENTIFICATION

Classification of Mixture: Eye Irritant Category 2B, H320 Label Elements:



Hazard Statements: H320 – Causes eye irritation.

Precautionary Statements:

P110 – Keep out of reach of children.
P281 – Use personal protective equipment as required.
P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 – If eye irritation persists: Get medical advice/attention.

Other Hazards Not Otherwise Classified (HNOC) or covered by GHS None

HMIS & NFPA RATINGS:

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = SevereHMIS Hazard Ratings: Health – 1, Flammability – 0, Chemical Reactivity – 0. NFPA Hazard Ratings: Health – 1, Flammability – 0, Chemical Reactivity – 0.

Note: HMIS and NFPA ratings are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.





SECTION 3- COMPOSITION OF INGREDIENTS

Ingredient	CI NO.	EINECS NO.	CAS NO.	Concentration
Purified Water (Aqua)	N/A	231-791-2	7732-18-5	30-35%
Barium Sulfate	N/A	231-784-4	7727-43-7	25-30%
Sodium Chloride	N/A	231-598-3	7647-14-5	25-30%
Isopropyl Alcohol	N/A	200-661-7	67-63-0	2-5%

SECTION 4- FIRST AID MEASURES

Description of Necessary First-Aid Measures

General Advice

- Consult a physician. Show this safety data sheet to the doctor in attendance. After Inhalation
 - Move person into fresh air. If not breathing give artificial respiration

After Skin Contact

• Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

After Eye Contact

• Rinse opened eye thoroughly for several minutes under running water. Then consult a physician.

After Ingestion

• Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

Most Important Symptoms/Effects, Acute and Delayed

See section 2 for more details.

Indication Of Immediate Medical Attention And Special Treatment Needed, If Necessary No further relevant information available.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Regular foam, carbon dioxide, dry chemical or alcohol resistant foam recommended. Apply water spray to cool exposed closed containers.

Inappropriate Extinguishing Media:

No further relevant information.

Special hazards arising from the mixture

May form oxides of carbon and nitrogen and may form various hydrocarbons upon combustion. **Special Protective Actions For Fire-Fighting**

NIOSH-approved Self-Contained Breathing Apparatus (SCBA) and full protective clothing/equipment recommended.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures

Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Wear appropriate personal protection equipment. For personal protection see section 8.





Environmental Precautions

Do not let product enter drains.

Methods And Materials For Containment And Cleaning Up

Contain spillage. Wipe up with absorbent material. Keep in suitable, closed containers for disposal. For disposal see section 13.

SECTION 7 - HANDLING AND STORAGE

Precautions For Safe Handling

Eating, drinking and smoking in work areas is prohibited. Wash hands after use. Avoid contact with eyes. For precautionary statements see Section 2.

Precautions For Safe Storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. For precautionary statements see Section 2.

Materials to avoid:

None determined.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components with workplace control parameters

			Control	
Component	CAS-No	Value	parameters	Basis
Barium	7727-			USA. ACGIH Threshold Limit Values
sulfate	43-7	TWA	10.000000mg/m3	(TLV)
	Remarks	Pneumoconiosis; adopted values or notations enclosed are thos for which changes are proposed in the NIC; See Notice of Intended Change (NIC); The value is for particulate matter, not i solution, containing no asbestos and <1% crystalline silica		ues or notations enclosed are those ed in the NIC; See Notice of alue is for particulate matter, not in cos and <1% crystalline silica
		TWA	5.000000mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	10.000000mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	15.000000mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	5.000000mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	15.000000mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants





		TWA	5.000000mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	5mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		Pneumoo matter co	coniosis; 2014 Adopt ontaining no asbests	ion; The value is for particulate and <1% crystalline silica.
		TWA	5 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	10 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	15 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	5 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	Remarks	Upper Respiratory Tract irritation; Eye irritation, Skin irritation, Confirmed animal carcinogen with unknown relevance to huma		
		TWA	1.000000ppm 1.400000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	1.000000ppm 1.400000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
2-Propanol (Isopropyl Alcohol)	67-63-0	TWA	200.000000ppm	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Central Nervous System impairment; Upper Respiratory Tract irritation; Eye irritation; Substance for which there is a Biological Exposure Index or Indices; Not classifiable as a human carcinogen		
		TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	400 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	400.000000ppm 980.000000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants





	TWA	400.000000ppm 980.000000 mg/m3	USA. NIOSH Recommended Exposure Limits
	ST	500.000000ppm 1,225.000000 mg/m3	USA. NIOSH Recommended Exposure Limits
The value in mg/m3 is approximate			

Biological occupational exposure limits

				Biological	
Component	CAS-No.	Parameters	Value	specimen	Basis
					ACGIH -
2-Propanol					Biological
(Isopropyl			40.000		Exposure
Alcohol)	67-63-0	Acetone	mg/l	Urine	Indices (BEI)

Exposure Controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use adequate ventilation systems as needed. No local exhaust expected to be required.

Personal Protective Equipment:

Respiratory

None required in well ventilated areas. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) 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).

Eye/Face

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU) Skin protection

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.

Full contact

Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)





data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method:

EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

General Industrial Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Eye wash should be available close to work areas.

Environmental Exposure Controls:

Follow best practice for site management and disposal of waste. Do not let product enter drains. Avoid release to the environment but product is not expected to be harmful to the environment.

SECTION 9 - PHYSICAL AND CHEMCIAL PROPERTIES

Physical Form	Liquid
Color	Clear to Cloudy White
Taste	Data Lacking
Particulate size	0.5-2.0nm
Appearance/Description	Clear to Cloudy White Liquid
Odor	Slightly Alcoholic
Particulate Type	Colorant*
Aerosol Type	Not relevant
рН	6-8 (water extract)
Melting point/Freezing point	No Data
Initial boiling point/boiling range	No Data
Flashpoint	>24°C
Evaporation rate	No Data
Flammability (solid, gas)	No Data
Upper explosive limit	No Data
Lower explosive limit	No Data
Vapour pressure	No Data
Vapour density	No Data
Relative density	4.5-5.2 g/cm3 at 20°C
Solubility in water	Liquid component: 100%
Partition coefficient: n- octano/water	log POW 0.05 - Bioaccumulation is not expected
Auto-ignition temperature	No Data





Decomposition temperature	No Data
Viscosity, dynamic	No Data
Viscosity, cinematic	No Data
Explosive properties	No Data
Oxidizing properties	None
VOC's (EPA method 24/24A)	None

SECTION 10 - STABILITY AND REACTIVITY

Reactivity

No data available. <u>Chemical stability</u> Stable under recommended storage conditions. <u>Possibility of hazardous reactions</u> Vapours may form explosive mixture in the air. <u>Conditions to avoid</u> Heat, flames and sparks. Extremes of temperature and direct sunlight. <u>Incompatible materials</u> Oxidizing agents such as peroxides, chlorates, perchlorates, nitrates and permanganates, Acid anhydrides, Aluminum, Halogenated compounds, strong acids. <u>Hazardous decomposition products</u>

No data available.

In the event of fire: see section 5

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity No data available Inhalation No data available Dermal No data available Skin corrosion/irritation No data available Serious eye damage/eye irritation No data available Respiratory or skin sensitisation No data available Germ cell mutagenicity No data available Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.





OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No data available

Specific target organ toxicity - single exposure

Inhalation, Oral - May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

Additional Information

RTECS: NT8050000

Central nervous system depression, prolonged or repeated exposure can cause:, Nausea, Headache, Vomiting, narcosis, Drowsiness, Overexposure may cause mild, reversible liver effects., Aspiration may lead to:, Lung oedema,

Pneumonia

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.





SECTION 12 - ECOLOGICAL INFORMATION

Ecological data for mixture

None available - This product has not been evaluated for its ecotoxicity.

Ecological data for undiluted isopropyl alcohol Toxicitv

Aquatic toxicity:

Fish toxicity LC50 1400 mg/l/96 h (Lepomis macrochirus)(ECOTOX-Database) Toxicity to daphnia EC50 > 13000 mg/l/48 h (Daphnia magna)(IUCLID) Toxicity to algae IC50 > 1000 mg/I/72 h (Scenedesmus guadricauda) (IUCLID)

Persistence and degradability

Abiotic degradation: fast photochemical oxidation in the air.

Biodegradation: Within 10 days of readily biodegradable. The product is easily biodegradable. Behavior in sewage plant: In activated sludge: 100% / 4 d (anaerobic conditions; Warburg respirometer)

Bioaccumulative potential

No bioaccumulation is to be expected (log Pow <4).

Bioconcentration factor: 3 (calculated BCFWIN v2.17)

Mobility in soil

Groundwater can be damaged if large quantities get into the soil.

Volatility: Dissolves in water indefinitely. Disappears within a day by evaporation or dissolution.

Results of PBT- und vPvB assessment

This does not meet all PBT-/vPvB-criteria of REACH Regulation and is therefore not classified as PBT or vPvT fabric.

Other adverse effects

Additional ecological information:

Do not allow to enter in the ground water, water, soil, waste or drains.

More quantitative data on Eco toxicological effect of this product are not available.

Water hazard class - see section 15

No ecology data available for any other component of the mixture.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

Product residues should be disposed of in compliance with the Waste Directive 2008/98/EC as well as national and regional regulations. Local regulations may be more stringent than regional or national requirements and must be adhered to. Recover or recycle if possible. It is the responsibility of the waste generator to determine the proper waste classification and disposal methods in compliance with applicable regulations.

Should not be released in the environment, drains or water courses. Waste must not be discharged into soil or water. Must not be disposed with household garbage. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

In the cases of spills, leaks or release, review sections: 'FIRE FIGHTING MEASURES'; 'ACCIDENTAL RELEASE MEASURES' & 'EXPOSURE CONTROLS/PERSONAL PROTECTION'

Product/Packaging disposal





Relevant Waste codes/waste designations

• Waste Directive 2008/98/EC

Packaging

Empty container completely and clean. Send to be reconditioned or recycled.

Waste treatment options

Incineration or land filling are recommended disposal techniques. Contact the state and local environmental agency for specific rules.

Additional information

This product is not identified as a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

SECTION 14 - TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

SECTION 15 - REGULATORY INFORMATION

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-No.	Revision Date
2-Propanol	67-63-0	01-01-1987

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

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Massachusetts Right To Know Components

Barium sulfate	CAS-No. 7727-43-7	Revision Date
2-Propanol	67-63-0	01-01-1987
Pennsylvania Right To Know Components		
	CAS-No.	Revision Date
Barium sulfate	7727-43-7	
Sodium chloride	7647-14-5	
2-Propanol	67-63-0	01-01-1987
New Jersey Right To Know Components		
	CAS-No.	Revision Date
Water	7732-18-5	
Barium sulfate	7727-43-7	





Sodium chloride 2-Propanol

7647-14-5 67-63-0

01-01-1987

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 - OTHER INFORMATION

Date Created: February 2015

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The information and recommendations contained herein is based on data considered accurate and has been compiled from sources believed to be reliable and represent the most reasonable opinion on the subject when the SDS was prepared. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. **MEI-CHA GLOBAL** assumes no responsibility for the personal injury or property damage caused by the material. Users assume all risks associated with the use of the material.

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