



SAFETY DATA SHEET IONIZER STUFF

FILE NO.: SDS-0011
MSDS DATE: 12/16/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OINIZER STUFF
SYNONYMS: NA
PRODUCT CODES: NA

MANUFACTURER: Jack's Magic
DIVISION: FL
ADDRESS: Largo, FL

EMERGENCY PHONE: 727-560-3177
CHEMTREC PHONE: 800-424-9300
OTHER CALLS: 727-504-0400
FAX PHONE: 727-532-0250

CHEMICAL NAME: OINIZER STUFF
CHEMICAL FAMILY: Surfactant
CHEMICAL FORMULA: Proprietary

PRODUCT USE: Pool and Spa
PREPARED BY: J. Virgilio

SECTION 1 NOTES: NA

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is Harmful if ingested, it may cause nausea, headache, and a physician should be consulted if ingested or if eye irritation exists. Causes skin irritation. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves. Wear eye/face protection.

Harmful if swallowed.

GHS SIGNAL WORD / PRECAUTIONS: WARNING! Harmful if swallowed. Very toxic to aquatic life. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.

RESPONSE: IF SWALLOWED call a poison center or doctor/physician if you feel unwell. Rinse mouth. Collect spillage.

DISPOSAL & STORAGE: Dispose of contents/container in accordance with federal, state and local regulations.

OSHA REGULATIONS: This material is classified as hazardous under OSHA regulations.

ACUTE TOXICITY (Oral): Category 4

AQUATIC TOXICITY (ACUTE): Category 1

ROUTES OF ENTRY: EYES, SKIN CONTACT, INHALATION, INGESTION.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH HAZARDS: Not Available.

Inhalation: Prolonged inhalation may be harmful.

Skin Contact: Prolonged or repeated skin contact may cause irritation.

Eye Contact: Contact may cause eye irritation.

Ingestion: Harmful if swallowed. If medical advice is needed, have product container or label and this SDS at hand.

CHRONIC HEALTH HAZARDS: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

SECTION 2 NOTES: If product comes in contact with eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and can be done safely. Continue rinsing and consult a physician. If swallowed rinse mouth and call poison center or physician if you do not feel well.



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

<u>CAS NO.</u>	<u>% WT</u>
Component A	>50
Component B	>30
INERT Proprietary	Balance

SECTION 3 NOTES: Proprietary Formulation – Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. 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 immediately. *Acute symptoms after contact: NA.*

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. If irritation persists seek medical attention. *Acute symptoms after contact: NA.*

INGESTION: Rinse mouth with water. If ingested, give lots of water to drink. Do NOT induce vomiting unless directed to do so by medical professional. Give victim water or milk. If vomiting occurs, keep head low so that stomach contents does not get into the lungs. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. *Acute symptoms after contact: NA.*

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration (CPR). If breathing is difficult, give oxygen. Get medical attention immediately. *Acute symptoms after contact: NA*

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No further information Available.

SECTION 4 NOTES: Always have this SDS available for medical personnel responding to a victim of exposure.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not Flammable
(% BY VOLUME) **LOWER:** Not Available

FLASH POINT: >200 deg F

METHOD USED: Cleveland Open Cup.

AUTOIGNITION TEMPERATURE: Not Applicable

HMS HAZARD CLASSIFICATION

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

PROTECTION: PPE (B)

EXTINGUISHING MEDIA: Use extinguishing agent suitable for the type of surrounding fire. Water spray, dry chemical, Carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA: NA.

SPECIAL FIRE FIGHTING PROCEDURES: Gloves, safety glasses, Protective clothing. Heat/Fire Exposure: compressed air/oxygen apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Remove containers from fire area into safe area away from heat. Do not move the load if exposed to heat. After cooling: persistent risk of physical ignition or rupture. Product not considered a fire or explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: During fire, gases hazardous to health may be formed.

SECTION 5 NOTES: NA



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FILE NO.: SDS-0011
MSDS DATE: 12/16/2015

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: For personal protection see section 8. Persons not wearing appropriate protective gear should be excluded from area of spill until clean-up has been completed. If area is not well ventilated, add ventilation for safe occupation of the area while clean-up is conducted. Absorb spill with inert material (e.g. vermiculite, sand or earth) then place in suitable container. This product will sink in most liquids and is likely unrecoverable.

ENVIRONMENTAL PRECAUTIONS: Prevent spreading concentrate solution over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Spilled material must be collected and properly disposed of. Never return spill material to its original container. Clean contaminated surfaces with plenty of water. Wash clothing and equipment after handling. Absorb spill with inert material (e.g. vermiculite, sand or earth) then place in suitable container. This product will sink in most liquids and is likely unrecoverable.

METHODS FOR CLEAN-UP: This product is toxic to aquatic life (NPDES). This material is classified as a pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Keep in suitable, closed containers for disposal. Plug the leak(s), cut off supply of spill. Dam up and soak up with inert absorbent

SECTION 6 NOTES: Avoid open flames. Comply with all applicable federal, state, and local regulations for clean-up and disposal methods.

SECTION 7: HANDLING AND STORAGE

HANDLING: Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Do not ingest. When using do not eat, drink, smoke or use smokeless tobacco. Provide adequate ventilation. Wear appropriate protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

STORAGE: Store in a cool, dry, ventilated area. Keep from freezing or away from open flames/heat. Keep out of direct sunlight. Keep only in original (labeled) container. Meet all state and local legal requirements.

OTHER PRECAUTIONS: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solid), all hazard precautions given in the data sheet must be observed.

SECTION 7 NOTES: NA

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL ADVICE: These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

VENTILATION: Always use this material in a well ventilated area (typically 10 air changes per hour). Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. A risk assessment should be conducted to determine the appropriate PPE.

RESPIRATORY PROTECTION: A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

EYE PROTECTION: Wear chemical splash goggles or face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist. Maintain eye wash station in immediate work area.

SKIN & BODY PROTECTION: Wear appropriate chemical impervious clothing, gloves and boots whenever there is potential for skin contact with product (PVC or Rubber). Launder clothing before reuse. Maintain safety shower at all locations where skin contact is imminent. Contact your local safety equipment supplier to assist the facility in determining proper selection of personal protective equipment for the applications/operations present at your facility. Wear resistant gloves (consult your safety equipment supplier). Discard gloves that show tears, pinholes, or signs of wear.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Aprons are to be worn if material is likely to splash, spill or produce a mist, vapor or spray.



SAFETY DATA SHEET IONIZER STUFF

FILE NO.: SDS-0011

MSDS DATE: 12/16/2015

WORK HYGIENIC PRACTICES: Wash hands often and whenever you have completed handling this material before you handle other items including your eyes, mouth, etc.

EXPOSURE GUIDELINES: Mechanical ventilation systems used to ventilate corrosive storage or process areas in areas, such as manufacturing, should be designed with components that are corrosion resistant.

SECTION 8 NOTES: NA

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to light yellow/brown liquid

ODOR: Mild aromatic

PHYSICAL STATE: Liquid.

pH AS SUPPLIED: 1.79
pH (1% Solution in H₂O): NA

BOILING POINT: 212 deg F

MELTING POINT: 50 deg F

FREEZING POINT: 32 deg F

VAPOR PRESSURE (kPa): N/E

VAPOR DENSITY (AIR = 1): N/E

SPECIFIC GRAVITY (H₂O = 1): > 1.067 @20 deg C

EVAPORATION RATE: NA

POLYMERIZATION: NA.

SOLUBILITY IN WATER: Completely soluble.

PERCENT SOLIDS BY WEIGHT: NA

PERCENT VOLATILE: < 5%

VOLATILE ORGANIC COMPOUNDS (VOC): NA

MOLECULAR WEIGHT: 8.904 Lbs/gal.

SECTION 9 NOTES: NA

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Product is stable and non-reactive under normal conditions of use, storage and transport.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID (STABILITY): Excessive heat or freezing. Keep away from open flames/heat. Keep away from strong oxidizing agents and strong bases.

INCOMPATIBILITY: Strong Bases, oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon and oxides.

HAZARDOUS POLYMERIZATION: Material will not undergo hazardous polymerization.

SECTION 10 NOTES: NA



SAFETY DATA SHEET IONIZER STUFF

FILE NO.: SDS-0011
MSDS DATE: 12/16/2015

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGICAL: No Data Available.

CORROSION / IRRITATION: Acute toxicity, LD50, Oral, Rat, 1850. MG/KG. Result: Behavioral: Convulsions or effect on seizure threshold. Gastrointestinal:Hypermotility, diarrhea. Nutritional and Gross Metabolic:Changes in:Body temperature increase. - Farm Chemicals Handbook., Meister Pub., 37841 Euclid Ave., Willoughby, OH 44094, Vol/p/yr: -,C326, 1991 Acute toxicity, LD50, Skin, Species: Rabbit, > 2.000 GM/KG. Result: Liver: Fatty liver degeneration. Kidney, Ureter, Bladder:Other changes. Blood:Other changes. - Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,201, 1992

Oral – LD50 - 1850 mg/kg (Rat) CAS# 31512-74-0

Dermal – LD50 – 2.000 gm/kg (Rabbit) CAS# 31512-74-0

Inhalation – NA

***Conclusion:** Irritant to the skin. Causes serious eye damage.

RESPIRATORY OR SKIN SENSITIVITY: No Data Available.

SPECIFIC TARGET ORGAN TOXICITY: No Data Available.

SECTION 11 NOTES: Chemicals in this product are not classified as hazardous by IARC, ACGIH, NTP, or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

BIODEGRADABILITY: No Data Available

PBT and vPvB Assessment:

CAS# 31512-74-0: LC50, Fathead Minnow (*Pimephales promelas*), larva(e), 353.0 UG/L, 48 H, Mortality; The Acute and Chronic Effects of a Polyquatarnary Ammonium Molluscicide Poly[Oxyethylene(Dimethyliminio)Ethylene-(Dimethyliminio)Ethylene Dichloride], Giltner, J.H.J., and P.C. Baumann, 1991

LC50, Rainbow Trout (*Oncorhynchus mykiss*), 44.00 UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L. Result: Morphological changes. - Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

LC50, Harlequinfish, Red Rasbora (*Rasbora heteromorpha*), 660.0 UG/L, 24 H, Mortality, Water temperature: 20.00 C (68.0 F) C, pH: 8.10, Hardness: 20.00 MG/L; Acute Toxicity of 102 Pesticides and Miscellaneous Substances to Fish, Tooby, T.E., P.A. Hursey, and J.S. Alabaster, 1975

LC50, Channel Catfish (*Ictalurus punctatus*), 3350. UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L. Result: Morphological changes. - Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

LC50, Zebra Mussel (*Dreissena polymorpha*), 60000. UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L. Result: Morphological changes. - Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

Effective concentration to {0} % of test organisms, Zebra Mussel (*Dreissena polymorpha*), 1000. UG/L, 250 H, Behavior, Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.80, Hardness: 100.00 MG/L. Result: No loss of equilibrium observed. - Control of the Biofouling Mollusc, *Dreissena polymorpha* (*Bivalvia: Dreissenidae*), with Sodium



SAFETY DATA SHEET IONIZER STUFF

FILE NO.: SDS-0011

MSDS DATE: 12/16/2015

Hypochlorite and with Polyquaternary Ammonia and Benzothiazole Compounds, Martin, I.D., G.L. Mackie, and M.A. Baker, 1993

Effective concentration to {0} % of test organisms, Zebra Mussel (*Dreissena polymorpha*), 2000. UG/L, 250 H, Behavior, Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.80, Hardness: 100.00 MG/L. Result: No loss of equilibrium observed. - Control of the Biofouling Mollusc, *Dreissena polymorpha* (*Bivalvia*: *Dreissenidae*), with Sodium Hypochlorite and with Polyquaternary Ammonia and Benzothiazole Compounds, Martin, I.D., G.L. Mackie, and M.A. Baker, 1993

LC50, Water Flea (*Ceriodaphnia dubia*), neonate, 218.0 UG/L, 48 H, Mortality; The Acute and Chronic Effects of a Polyquaternary Ammonium Molluscicide Poly[Oxyethylene(Dimethyliminio)Ethylene-(Dimethyliminio)Ethylene Dichloride], Giltner, J.H.J., and P.C. Baumann, 1991

TOXICITY TO FISH: Toxic to aquatic life. Unknown Effect.

SECTION 12 NOTES: NA

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Remove to an authorized plant for destruction, neutralization and elimination of hazardous waste. Hazardous waste shall not be mixed together with other waste or other types of hazardous waste, if it may entail a risk of pollution or create problems for future management of the waste. Do not allow material to drain into sewers/water supplies. Dispose in accordance with all local, state and federal laws.

SECTION 13 NOTES: NA

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, organic, N.O.S.
HAZARD CLASS: 8
ID NUMBER: UN3265
PACKING GROUP: II
LABEL STATEMENT: Corrosive

WATER TRANSPORTATION:

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, organic, N.O.S.
HAZARD CLASS: 8
ID NUMBER: UN3265
PACKING GROUP: II
LABEL STATEMENT: Corrosive

RAIL (RID) TRANSPORTATION:

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, organic, N.O.S.
HAZARD CLASS: 8
ID NUMBER: UN3265
PACKING GROUP: II
LABEL STATEMENT: Corrosive

AIR (ICAO-TI/IATA-DGR) TRANSPORTATION:

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, organic, N.O.S.
HAZARD CLASS: 8
ID NUMBER: UN3265
PACKING GROUP: II
LABEL STATEMENT: Corrosive

SECTION 14 NOTES: NA



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FILE NO.: SDS-0011
MSDS DATE: 12/16/2015

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

- Yes No Acute (immediate) Health Hazard
- Yes No Chronic (delayed) Health Hazard
- Yes No Fire Hazard
- Yes No Sudden Release of Pressure Hazard
- Yes No Reactive Hazard

STATE REGULATIONS: California Prop 65: No

INTERNATIONAL COMPLIANCE REGULATIONS:

- Canada Legislation: Domestic Substances List (DSL)- No, Non-domestic substances List (NDSL)- No
- Mexico Legislation: INSQ- Yes
- Australia Legislation: ICS- No
- China: IECSC- Yes
- Japan: ENCS- No
- Korea: ECL- Yes
- Philippines: ICCS- No
- Taiwan: TCSCA- Yes
- REACH: Yes (P)

SECTION 15 NOTES: NA.

SECTION 16: OTHER INFORMATION

REFERENCES: Information based on classification according to C.C. (09/2008) and Compass Chem (04/2015).

PREPARATION INFORMATION CREATED: 12/16/2015 LAST UPDATED: 12/16/2015

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