IMMIX Chemical & Solutions

SAFETY DATA SHEET

MAGIC **Revision Date** 8/01/2018

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Magic	**PRODUCT USE**	Liquid Automatic Dishwasher Detergent	**ITEM**	8110
COMPANY NAME	IMMIX Chemical & Solutions	**Office**	(501) 286-5305		
	2693 2nd St				
	Cabot AR 72023				
	EMERGENCY TELEPHONE NUMBER	**INFOTRAC**	**(800) 535-5053**		

SECTION – 2 HAZARDS INFORMATION

Acute Toxicity
Irritant (skin and eye)
Respiratory Tract Irritant

Target Organ Toxicity

Corrosive to Metals
Eye Damage
Skin Corrosion/Burns

WARNING! Corrosive to Eyes and Skin. Harmful if inhaled. Harmful if swallowed. Spray mists are corrosive to respiratory tract and mucous membranes, Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Avoid release to the environment

SECTION – 3 HAZARD INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret.)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Potassium Hydroxide	KOH, Caustic Potash	1310-58-3		8-12%
Sodium Hypochlorite	Liquid Chlorine, Bleach	7681-52-9	Water < 90%	9-13%

SECTION – 4 FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids. Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists obtain immediate medical attention, preferably from an ophthalmologist.

SKIN CONTACT Immediately wash contaminated skin with a nonabrasive soap and plenty of water for at least 15 minutes. Be sure to remove any contaminated clothing and wash before reuse. If irritation is present or occurs obtain medical attention.

INHALATION Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention.

INGESTION DO NOT INDUCE VOMITING. If person is fully conscious give one to two glasses of water to dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs.

Aspiration Hazard Not applicable

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause severe eye irritation and possible corrosive burns

Skin Can cause skin irritation, drying and cracking

Inhalation Harmful if inhaled. Mists can cause severe irritation

Ingestion Harmful if swallowed. Can cause severe irritation and possible corrosive burns

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Corrosive to eyes. Can cause severe eye irritation and possible corrosive burns, Causes serious eye damage

Skin Corrosive to skin tissue. Can cause severe skin irritation and possible corrosive burns

Inhalation Harmful if inhaled, May cause allergy or asthma symptoms or breathing difficulties if inhaled, Spray mists are corrosive to respiratory tract and mucous membranes, May affect target organs

Ingestion Harmful if swallowed. Ingestion can cause corrosive burns in the throat and stomach and may affect target organs, Ingestion may cause vomiting which may be harmful if it enters airways

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Suitable: Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials
Hazardous Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes
Reactive With	Incompatible with, oxidizing agents, reducing agents, strong acids
Explosion Hazards	Not applicable
Static Discharge	Not applicable
Mechanical Impact	Not applicable
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

FLAMMABLE LIQUIDS HAZARD CLASSIFICATION

Criteria	Flash point > 93.3ºC (200ºF)
NFPA	Class III B
GHS	Not applicable
WHMIS	Not applicable

NFPA HAZARD RATINGS

Health	3
Flammability	0
Reactivity	0
Personal Protection	FBG

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel to move away
Personal Precautions	Ventilate area
Protective Equipment	Safety Glasses, Chemical Gloves, Approved Respirator, Chemical Apron and Rubber Boots
Containment	Cover or dike any floor drains with an inert material to prevent product from entering the environment
Clean Up Procedures	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water Large Spills: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container Vacuum or sweep up material and place in a disposal container
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Use appropriate safety equipment. Avoid eye and skin contact. May be harmful if inhaled. Harmful if swallowed. Avoid release to the environment
Storage	Keep container closed when not in use and store away from incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong reducing agents, strong acids

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Potassium Hydroxide		2 mg/m3		2 mg/m3	
Sodium Hypochlorite	0.5 ppm	1 ppm	1 ppm	3 ppm	

PERSONAL PROTECTIVE EQUIPMENT

Chemical Safety Glasses, Goggles or Face Shield

Impervious Chemical Gloves

Eye Wash (Recommended)

Ventilation

General Ventilation

Ventilate to keep vapors of this material below the lowest ppm listed above.
If over Threshold Limit Value use NIOSH approved respirator.

HMIS HAZARD RATINGS

Health	3
Flammability	0
Reactivity	0
Personal Protection	B

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	100ºC (> 212ºF) TCC	**Specific Gravity / Relative Density**	1.20
Flammable Limits	ND	**Molecular Weight**	ND
Auto-Ignition Temp.	ND	**Initial Boiling Point**	ND
Physical State	Liquid	**Boiling Range**	ND
Appearance	Amber	**Vapor Pressure**	ND
Odor	Chlorine	**Vapor Density**	ND
Odor Threshold	ND	**Freeze Point**	ND
Solubility	100%	**Melting Point**	ND
Volatiles	< 45%	**Partition Coefficient**	ND
VOC	< 1%	**Decomposition Temperature**	ND
pH	12.5	**Evaporation Rate**	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored below 49ºC (120ºF)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, oxidizing agents, reducing agents, strong acids
Thermal Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE

Eyes (Yes), Skin (Yes), Inhalation (Yes "Mist"), Ingestion (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Can cause severe eye irritation and possible corrosive burns
Skin	Can cause skin irritation, drying and cracking
Inhalation	Harmful if inhaled. Mists can cause severe irritation
Ingestion	Harmful if swallowed. Can cause severe irritation and possible corrosive burns

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Corrosive to eyes. Can cause severe eye irritation and possible corrosive burns, Causes serious eye damage
Skin	Corrosive to skin tissue. Can cause severe skin irritation and possible corrosive burns
Inhalation	Harmful if inhaled, May cause allergy or asthma symptoms or breathing difficulties if inhaled, Spray mists are corrosive to respiratory tract and mucous membranes, May affect target organs
Ingestion	Harmful if swallowed. Ingestion can cause corrosive burns in the throat and stomach and may affect target organs, Ingestion may cause vomiting which may be harmful if it enters airways
Target Organs	Blood Cells, Kidneys, Liver, Mucous Membranes, Respiratory Tract, Eyes (Lens or cornea), Skin, Cardiovascular Systems, Central Nervous Systems
Medical Conditions	Preexisting, eye, skin, liver, kidney, central nervous system, blood, respiratory, cardiovascular, disorders may be aggravated by exposure to this product
Notes to Physician	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
None Listed				

MUTAGENIC AND TERATOGENIC EFFECTS – May cause fetal and reproductive abnormalities.

CHEMICAL NAME	Mutagenic	Teratogenic	Developmental	GHS Category
None Listed				

SECTION – 11 TOXICOLOGICAL INFORMATION - CONTINUED

ACUTE TOXICITY	Type	Form	Subject	Result Value	Exposure Time	GHS Category
Potassium Hydroxide	LD50	Oral	Rat	607 mg/kg		4 (>300, ≤2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

CHEMICAL NAME	Type	Subject	Subject Latin	Result Value	Exposure Time	GHS Category
Potassium Hydroxide	LC50	Mosquito Fish	(Gambusia affinis)	80 mg/L	24 Hours	3 (>10, ≤100 mg/L)

SECTION – 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER
Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

ENVIRONMENTAL FATE

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, wether the material is a hazardous waste.

This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its composition containing in some or all of its components.

The transportation, storage, treatment and disposal of RCRA waster material must be conducted in compliance with 40 CFR 262, 263, 264 and 270. Disposal can only occur in properly permitted facilities.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

SECTION – 14 TRANSPORT INFORMATION

D.O.T. CLASSIFICATION

UN Number	Proper Shipping Name
UN 3266	CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s. (Potassium Hydroxide, Sodium Hypochlorite)

Hazard Class	Packing Group	Label Codes	Reportable Quantity (lbs)	Response Code	Marine Pollutant
8	PGIII	Corrosive Liquid	NA	154	No

Placard Label **Hazard Label** **Secondary** .

SECTION – 15 REGULATORY INFORMATION

TSCA

CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Potassium Hydroxide	Yes	Yes		
Sodium Hypochlorite	Yes			

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous EPCRA TPQ Sec 302	Extremely Hazardous EPCRA RQ Sec 304	Reportable Quantity CERCLA RQ Sec 103	Emission Reporting TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Potassium Hydroxide			1000			

SARA

CHEMICAL NAME	Section 311 Hazardous Chemical	Section 311 / 312 Hazards Acute	Chronic	Flammable	Pressure	Reactive
Potassium Hydroxide	Yes	Yes	Yes			
Sodium Hypochlorite	Yes	Yes				

RIGHT TO KNOW

CHEMICAL NAME	STATE CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Potassium Hydroxide	Yes		Yes			Yes	Yes	Yes		Yes	Yes		

CALIFORNIA **WARNING! This product contains chemicals known to the state of California to cause:**

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts HAP	Ozone Class 1	Ozone Class 2	Clean Water Acts HS	PP	TP
None Listed							

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Sodium Hypochlorite	Yes			Yes	Yes	

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Phosphoric Acid, Sodium Hydroxide	Yes	E	Corrosive Material
Potassium Hydroxide	Yes	D-1B	Materials Causing Immediate and Serious Toxic Effects; Toxic Material

DSCL (EEC)

Code	Definition (R-Phrases / S-Phrases)
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R35	Causes severe burns
R36/37/38	Irritating to eyes, respiratory system and skin
S2	Keep out of the reach of children
S20/21	When using do not eat, drink or smoke
S24/25	Avoid contact with skin and eyes
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

SECTION – 16 OTHER INFORMATION

SDS	Legend Description		
ACGIH	American Conference of Governmental Industrial Hygienists	**NTP**	National Toxicology Program
CAS	Chemical Abstracts Service Registry	**OSHA**	Occupational Safety and Health Administration
CEIL	Ceiling Limit (15 minutes)	**PEL**	Permissible Exposure Limit (OSHA)
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	**PP**	California Priority Pollutant under the Clean Water Act
EPA	Environmental Protection Agency	**REL**	Recommended exposure limit (NIOSH)
FBG	Full Bunker Gear	**SARA**	Superfund Amendments and Reauthorization Act
HAP	California Hazardous air pollutant Clean Air Act	**STEL**	Short Term Exposure Limit (15 minutes)
HMIS-A	Safety Glasses	**HMIS-B**	Safety glasses, gloves
HMIS-C	Safety glasses, gloves, chemical apron	**HMIS-D**	Face shield, gloves, chemical apron
HMIS-E	Safety glasses, gloves, dust respirator	**HMIS-F**	Safety glasses, gloves, chemical apron, dust respirator
HMIS-G	Safety glasses, gloves, vapor respirator	**HMIS-H**	Splash goggles, gloves, chemical apron, vapor respirator
HMIS-I	Safety glasses, gloves, dust and vapor respirator	**HMIS-J**	Splash goggles, gloves, chemical apron, dust and vapor respirator
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	**HMIS-X**	Ask Supervisor
HS	California Hazardous Substance under the Clean Water Act	**TSCA**	Toxic Substances Control Act
IARC	International Agency for Research on Cancer	**TC Lo**	Air concentration that is lethal to 50% of a given species in a given time
LC50	Air concentration that is lethal to 50% of a given species in a given time	**TD Lo**	Lowest dose that is toxic to a given species
LD50	Dose that is lethal to 50% of a given species by a given route of exposure	**TLV**	Threshold Limit Value (ACGIH)
LEL	Lower Explosive Limit	**TP**	California Toxic Pollutant under the Clean Water Act
ND	Not Determined	**TWA**	Time Weighted Average (8 hours)
NFPA	National Fire Protection Association	**UEL**	Upper Explosive Limit
NIOSH	National Institute for Occupational Safety and Health	**WHMIS**	Worker Hazardous Materials Information System (Canada)

IMMIX Chemical & Solutions has compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever from any and all injuries, losses, or damages to persons or property arising from the use of this product or information.