IMMIX Chemical & Solutions

SAFETY DATA SHEET

Tidy **Revision Date** 8/01/2018

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Tidy **PRODUCT USE** Phosphoric Acid Bowl Cleaner **ITEM** 8107

COMPANY NAME IMMIX Chemical & Solutions Company **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

Corrosive to Metals
Eye Damage
Skin Corrosion/Burns

DANGER! Corrosive to eyes and skin, Harmful if inhaled, Spray mists are corrosive, to mucus membranes or respiratory tract, Harmful if swallowed, Do not get in eyes, on skin, or on clothing, Use personal protective equipment as required, Wash thoroughly after handling, Avoid release to the environment

SECTION – 3 COMPOSITION 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
Phosphoric Acid	Monophosphoric Acid, Orthophosphoric Acid	7664-38-2		20 - 50%
Nonylphenol Ethoxylate	Polyoxyethylene Nonyl Phenyl Ether	127087-87-0		1 - 5%

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, rinse mouth out and 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 considered to be an aspiration hazard

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Corrosive to eyes. Can cause severe eye irritation and possible corrosive burns

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

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 corrosive burns and serious eye damage

Skin Corrosive to skin tissue. Can cause severe corrosive burns

Inhalation Spray mists are corrosive to respiratory tract and mucous membranes

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

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, phosphorus oxides, carbon monoxide, carbon dioxide, and other toxic fumes
Reactive With	Incompatible with, metals, strong oxidizing agents, strong reducing agents, strong bases
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	1
Personal Protection	FBG

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel to move away and stay upwind from spill
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, KEEP OUT OF REACH OF CHILDREN
Incompatible Materials	Incompatible with, metals, strong oxidizing agents, strong reducing agents, strong bases

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Phosphoric Acid	1 mg/m3	3 mg/m3	1 mg/m3	3 mg/m3	
Nonylphenol Ethoxylate	Not Established				

PERSONAL PROTECTIVE EQUIPMENT


Chemical Safety Glasses, Goggles or Face Shield


Impervious Chemical Gloves


MSHA/NIOSH Approved Respirator At or Above Listed TLV's


Impervious Protective Clothing


Eye Wash and Safety Shower (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	1
Personal Protection	H

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 100ºC (212ºF}	**Specific Gravity / Relative Density**	1.145
Flammable Limits	NA	**Molecular Weight**	ND
Auto-Ignition Temp.	NA	**Initial Boiling Point**	ND
Physical State	Liquid	**Boiling Range**	ND
Appearance	Clear Pink	**Vapor Pressure**	ND
Odor	Cherry	**Vapor Density**	ND
Odor Threshold	ND	**Freeze Point**	ND
Solubility	100%	**Melting Point**	ND
Volatiles	< 80%	**Partition Coefficient**	ND
VOC	< 1%	**Decomposition Temperature**	ND
pH	< 1	**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, metals, strong oxidizing agents, strong reducing agents, strong bases
Thermal Decomposition	Burning or thermal decomposition can produce, phosphorus oxides, 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	Corrosive to eyes. Can cause severe eye irritation and possible corrosive burns
Skin	Corrosive to skin. Can cause severe skin irritation and possible corrosive burns
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 corrosive burns and serious eye damage
Skin	Corrosive to skin tissue. Can cause severe corrosive burns
Inhalation	Spray mists are corrosive to respiratory tract and mucous membranes
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	Kidneys, Liver, Respiratory Tract, Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, eye, skin, liver, kidney, respiratory, 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
Phosphoric Acid	LD50	Oral	Rat	1530 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	2740 mg/kg		5 (>2000 mg/kg)
Nonylphenol Ethoxylate	LD50	Oral	Rat	16,000 mg/kg		5 (>2000 mg/kg)
	LD50	Dermal	Rabbit	4,490 mg/kg		5 (>2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

CHEMICAL NAME	Type	Subject	Subject Latin	Result Value	Exposure Time	GHS Category
Phosphoric Acid	LC50	Mosquito Fish	(Gambusia affinis)	138 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Nonylphenol Ethoxylate	LC50	Fathead Minnow	(Pimephales promelas)	3.8 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	LC50	Water Flea	(Daphnia magna)	9.3 mg/L	48 Hours	2 (>1, ≤10 mg/L)

Persistence And Degradability No specific biodegradation test data was located

Bioaccumulative Potential No data available

Mobility In Soil No data available

Other Adverse Effects Phosphates may persist in the environment

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, whether 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 3264	CORROSIVE, LIQUID, ACIDIC, INORGANIC, n.o.s. (Phosphoric Acid)

Hazard Class	Packing Group	Label Codes	Reportable Quantity (lbs)	Response Code	Marine Pollutant
8	PGII	Corrosive Liquids	5000	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
Phosphoric Acid	Yes	Yes		

REPORTABLE QUANTITIES

	Extremely Hazardous		Reportable Quantity	Emission Reporting		
CHEMICAL NAME	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Phosphoric Acid			5000			

SARA

	Section 311		Section 311 / 312 Hazards			
CHEMICAL NAME	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Phosphoric Acid	Yes	Yes				
Nonylphenol Ethoxylate	Yes	Yes				

RIGHT TO KNOW

	STATE												
CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Phosphoric Acid	Yes			Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	
Nonylphenol Ethoxylate						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

		Clean Air Acts			Clean Water Acts		
CHEMICAL NAME	CAS #	HAP	Ozone Class 1	Ozone Class 2	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
Phosphoric Acid	Yes	Yes	Yes	Yes	Yes	Yes

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Phosphoric Acid	Yes	E	Corrosive Material

DSCL (EEC)

Code	Definition (R-Phrases / S-Phrases)
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
S2	Keep out of the reach of children
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S61	Avoid release to the environment. Refer to special instructions/safety data sheet
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible
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	**LD50**	Dose that is lethal to 50% of a given species by a given route of exposure
CAS	Chemical Abstracts Service Registry	**LEL**	Lower Explosive Limit
CEIL	Ceiling Limit (15 minutes)	**NA**	Not Applicable
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	**ND**	Not Determined
EPA	Environmental Protection Agency	**NE**	Not Established
FBG	Full Bunker Gear	**NFPA**	National Fire Protection Association
HAP	California Hazardous air pollutant Clean Air Act	**NIOSH**	National Institute for Occupational Safety and Health
HMIS-A	Safety Glasses	**NTP**	National Toxicology Program
HMIS-B	Safety glasses, gloves	**OSHA**	Occupational Safety and Health Administration
HMIS-C	Safety glasses, gloves, chemical apron	**PEL**	Permissible Exposure Limit (OSHA)
HMIS-D	Face shield, gloves, chemical apron	**PP**	California Priority Pollutant under the Clean Water Act
HMIS-E	Safety glasses, gloves, dust respirator	**REL**	Recommended exposure limit (NIOSH)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	**SARA**	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	**STEL**	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	**TC Lo**	Air concentration that is lethal to 50% of a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	**TD Lo**	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	**TLV**	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	**TP**	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	**TSCA**	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	**TWA**	Time Weighted Average (8 hours)
IARC	International Agency for Research on Cancer	**UEL**	Upper Explosive Limit
LC50	Air concentration that is lethal to 50% of a given species in a given time	**WHMIS**	Worker Hazardous Materials Information System (Canada)

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Supersedes Safety Data Sheet Dated