



180-834

# SAFETY DATA SHEET

Clean Steam

Revision Date

12/23/2014

## SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	<b>Clean Steam</b>	<b>PRODUCT USE</b>	Steam Cleaner	<b>ITEM</b>	992
<b>COMPANY NAME</b>	Magic Cast Products	<b>Office</b>	(870) 330-4061		
	3500 Tennessee Road	<b>Fax</b>	(870) 330-4065		
	Texarkana AR 71854	<b>Web</b>	<a href="http://www.magiccastproducts.com">www.magiccastproducts.com</a>		
	<b>EMERGENCY TELEPHONE NUMBER</b>	<b>INFOTRAC</b>	<b>(800) 535-5053</b>		

## SECTION – 2 HAZARDS INFORMATION

**PHYSICAL HAZARDS** None**HEALTH HAZARDS** EYES-Category 1, SKIN-Category 2, STOT SINGLE EXPOSURE-Category 3Irritant (skin)  
Respiratory Tract Irritant

Eye Damage

**DANGER!** Causes serious eye damage, Causes skin irritation, Harmful if swallowed, May cause respiratory irritation, Do not get in eyes, on skin, or clothing, and avoid inhalation of mist, Use personal protective equipment as required, Wash thoroughly after handling, Avoid release into the environment

## SECTION – 3 COMPOSITION INFORMATION

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

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
Trisodium Phosphate	Sodium phosphate	7601-54-9		1 - 10%
Chelating Agent	Tetrasodium Ethylenediaminetetraacetate Tetrahydrate	13235-36-4		1 - 10%

## SECTION – 4 FIRST AID MEASURES

<b>EYE CONTACT</b>	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.
<b>SKIN CONTACT</b>	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.
<b>INHALATION</b>	Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention
<b>INGESTION</b>	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
<b>Aspiration Hazard</b>	Not considered to be an aspiration hazard

### ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

<b>Eyes</b>	Causes serious eye irritation, redness, tearing, or possible corneal injury
<b>Skin</b>	Can cause skin irritation, drying or cracking
<b>Inhalation</b>	Mist may be harmful if inhaled, Mist may cause mild irritation, to nose, throat or mucus membranes
<b>Ingestion</b>	Harmful if swallowed, Can cause irritation, of the mouth, throat, esophagus, and stomach, Minimal acute toxicity if swallowed

### CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

<b>Eyes</b>	Causes serious eye damage, redness, tearing, pain, or possible corrosive burns
<b>Skin</b>	Causes skin irritation, redness, burning, drying or cracking
<b>Inhalation</b>	Mist may be harmful if inhaled, Mist can cause irritation, to nose, throat, mucus membranes or respiratory tract
<b>Ingestion</b>	Harmful if swallowed, Can cause severe irritation, burning in the mouth, throat, esophagus, and stomach, Slight acute toxicity if swallowed

**SECTION – 5 FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Not flammable: Use extinguishing media for surrounding fire
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes
<b>Reactive With</b>	Incompatible with, strong oxidizing agents, strong acids
<b>Explosion Hazards</b>	Not applicable
<b>Static Discharge</b>	Not applicable
<b>Mechanical Impact</b>	Not applicable
<b>Protective Equipment</b>	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

<b>FLAMMABLE LIQUIDS HAZARD CLASSIFICATION</b>	
Criteria	Flash point > 93.3°C (200°F)
NFPA	Class III B
GHS	Not applicable
WHMIS	Not applicable

<b>NFPA HAZARD RATINGS</b>	
Health	2
Flammability	0
Reactivity	0
Personal Protection	FBG

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Warn personnel of spill
<b>Personal Precautions</b>	Ventilate area, Avoid slipping on spilled product
<b>Protective Equipment</b>	Safety Glasses, Chemical Gloves and Rubber Boots
<b>Containment</b>	Use rags, towels, absorbent socks or pads to prevent spill from spreading
<b>Clean Up Procedures</b>	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
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	Keep away from incompatible materials, Use appropriate safety equipment, Avoid eye and skin contact, Avoid inhalation of mist, May cause respiratory irritation, Harmful if swallowed, Wash thoroughly after handling, Avoid release to the environment
<b>Storage</b>	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials
<b>Incompatible Materials</b>	Incompatible with, strong oxidizing agents, strong acids

**SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>EXPOSURE LIMITS</b>	<b>ACGIH (TWA 8)</b>	<b>ACGIH (STEL)</b>	<b>OSHA PEL (TWA 8)</b>	<b>OSHA (CEIL)</b>	<b>Significant Exposure</b>
Chelating Agent	None	Established			
Trisodium Phosphate		(WEEL) 5 mg/m3			

**PERSONAL PROTECTIVE EQUIPMENT**



Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Eye Wash (Recommended)



**Ventilation**

General Ventilation

<b>HMIS HAZARD RATINGS</b>	
Health	2
Flammability	0
Reactivity	0
Personal Protection	B

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

Flash Point	> 100°C (212°F)	Specific Gravity / Relative Density	ND
Flammable Limits	ND	Molecular Weight	ND
Auto-Ignition Temp.	ND	Initial Boiling Point	100°C (212°F)
Physical State	Liquid	Boiling Range	ND
Appearance	Clear	Vapor Pressure	ND
Odor	Detergent	Vapor Density	ND
Odor Threshold	ND	Freeze Point	0°C (32°F)
Solubility	100%	Melting Point	ND
Volatiles	< 85%	Partition Coefficient	ND
VOC	< 1%	Decomposition Temperature	ND
pH (± 0.3)	12.5	Evaporation Rate	ND

**SECTION – 10 STABILITY AND REACTIVITY**

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored below 49°C (120°F)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing 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	Causes serious eye irritation, redness, tearing, or possible corneal injury
Skin	Can cause skin irritation, drying or cracking
Inhalation	Mist may be harmful if inhaled, Mist may cause mild irritation, to nose, throat or mucus membranes
Ingestion	Harmful if swallowed, Can cause irritation, of the mouth, throat, esophagus, and stomach, Minimal acute toxicity if swallowed

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

Eyes	Causes serious eye damage, redness, tearing, pain, or possible corrosive burns
Skin	Causes skin irritation, redness, burning, drying or cracking
Inhalation	Mist may be harmful if inhaled, Mist can cause irritation, to nose, throat, mucus membranes or respiratory tract
Ingestion	Harmful if swallowed, Can cause severe irritation, burning in the mouth, throat, esophagus, and stomach, Slight acute toxicity if swallowed

Acute Tox Calculated      Oral: 32,314 mg/kg      Dermal: 168,750 mg/kg      Inhaled: mg/L  
 Acute Tox Category    "Not applicable (Oral > 2,000 mg/kg)", "Not applicable (Dermal > 2,000 mg/kg)", "No data available (Inhaled) Vapors"

**Additional Info**

Target Organs	Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, eye, skin, 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 REPRODUCTIVE EFFECTS – May cause fetal and reproductive abnormalities.**

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
None Listed		

**SECTION – 11 TOXICOLOGICAL INFORMATION - CONTINUED**

<u>ACUTE TOXICITY</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Trisodium Phosphate	LD50	Oral	Rat	7400 mg/kg		(>2000 mg/kg)
Chelating Agent	LD50	Oral	Rat	> 2,000 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	> 5,000 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	4.14 mg/L		4 (>1.0, ≤5 mg/L)

**SECTION – 12 ECOLOGICAL INFORMATION**

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Trisodium phosphate	LD50	Mosquito Fish	(Gambusia affinis)	28.5 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Chelating Agent	LC50	Bluegill	(Lepomis macrochirus)	1,592 mg/L	96 Hours	4 (>100 mg/L)
	LC50	Water Flea	(Daphnia magna)	610 mg/L	24 Hours	4 (>100 mg/L)
<b>Presistence And Degradability</b>	Phosphates may persist in the environment					
<b>Bioaccumulative Potential</b>	No data available					
<b>Mobility In Soil</b>	This material is a mobile liquid					
<b>Other Adverse Effects</b>	Harmful to aquatic life					

**SECTION – 13 DISPOSAL CONSIDERATIONS**

**DO NOT DUMP INTO ANY STORM 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**

<u>UN Number</u>	<u>Proper Shipping Name</u>				
Not Regulated	Non Hazardous – Compounds Cleaning Liquid				
<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response Code</u>	<u>Marine Pollutant</u>
None	PG III	None	None	154	No

**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
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None Listed

**REPORTABLE QUANTITIES**

CHEMICAL NAME	Extremely Hazardous EPCRA TPQ Sec 302	Reportable Quantity EPCRA RQ Sec 304	Emission Reporting CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
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None Listed

**SARA**

CHEMICAL NAME	Section 311		Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive

Trisodium phosphate

Yes

Yes

**RIGHT TO KNOW**

CHEMICAL NAME	STATE											
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI

Trisodium phosphate

Yes

Yes

Yes

**CALIFORNIA**

CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:			
		Birth Defects	Reproductive Harm	Carcinogen	Developmental

None Listed

**CLEAN AIR WATER ACTS**

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		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
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None Listed

**WHMIS Classification**

CHEMICAL NAME	DSL	Class	Description
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Chelating Agent

Yes

D-2B

Materials Causing Other 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
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
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
S37/39	Wear suitable gloves and eye/face protection

## SECTION – 16 OTHER INFORMATION

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

Magic Cast Products

and nCites, L.L.C. have 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.

Supersedes Safety Data Sheet Dated

8/17/2014