



SAFETY DATA SHEET

Black Magic

Revision Date

12/27/2014

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Black Magic	PRODUCT USE	Soldering Pickle	ITEM	986
COMPANY NAME	Magic Cast Products	Office	(870) 330-4061		
	3500 Tennessee Road	Fax	(870) 330-4065		
	Texarkana AR 71854	Web	www.magiccastproducts.com		
	EMERGENCY TELEPHONE NUMBER	INFOTRAC	(800) 535-5053		

SECTION – 2 HAZARDS INFORMATION

PHYSICAL HAZARDS None

HEALTH HAZARDS EYES-Category 1, SKIN-Category 2, ACUTE TOXICITY-Category 4 (Oral)



Irritant (skin)
Respiratory Tract Irritant



Eye Damage

DANGER! Causes serious eye damage, Causes skin irritation, Harmful if inhaled, Harmful if swallowed, Do not get in eyes, on skin, or clothing, and avoid inhalation of dust, or fumes, Do not allow smoking or food consumption while handling, 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>
Sodium Metabisulfite	Sodium Pyrosulfite	7681-57-4		70 - 100%

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, Obtain immediate medical attention
SKIN CONTACT	Wash contaminated skin with plenty of water, 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
Aspiration Hazard	Not applicable

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, tearing, pain, or possible eye damage
Skin	Can cause skin irritation, redness, burning, drying or cracking
Inhalation	Harmful if inhaled, may cause severe allergic reactions, to asthmatics or "sulfite-sensitive" individuals, Dust can cause irritation, to mucus membranes or respiratory tract
Ingestion	Harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus, Moderate acute toxicity if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye damage, severe pain, severe burns, or possible corneal injury
Skin	Causes serious skin irritation, redness, burning, drying or cracking
Inhalation	Harmful if inhaled, may cause severe or possibly fatal allergic reactions, to asthmatics or "sulfite-sensitive" individuals, Dust can cause irritation, to mucus membranes or respiratory tract
Ingestion	Harmful if swallowed, Causes irritation, of the mouth, throat, and esophagus, Symptoms may include, severe or possibly fatal allergic reactions, to asthmatics or "sulfite-sensitive" individuals

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Hazardous Decomposition	Burning or thermal decomposition can produce, sulfur dioxide, and other toxic fumes
Reactive With	Reactive with, strong oxidizing agents, strong acids, water, can produce toxic, sulfur dioxide gas
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

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

<u>NFPA HAZARD RATINGS</u>	
Health	2
Flammability	0
Reactivity	0
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, Gloves, Dust Respirator
Containment	Prevent spill from spreading or entering the environment
Clean Up Procedures	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	Keep away from incompatible materials, Use appropriate safety equipment, and adequate ventilation, Avoid eye and skin contact, Avoid inhalation of dust, Harmful if inhaled, Harmful if swallowed, Do not allow smoking and food consumption while handling, Wash thoroughly after handling, Avoid release to the environment
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids, can produce toxic, sulfur dioxide gas

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>EXPOSURE LIMITS</u>					Significant Exposure
CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	
Sodium Metabisulfite	5 mg/m ³	5 mg/m ³			Respiratory

PERSONAL PROTECTIVE EQUIPMENT

			
Chemical Safety Glasses, Goggles or Face Shield	Impervious Chemical Gloves	Dust Mask	Eye Wash (Recommended)



Ventilation

Ventilate to keep dusts of this material below the lowest ppm listed above. If over Threshold Limit Value use NIOSH approved High-efficiency particulate respirator with full facepiece.

The safety equipment information supplied is for general use and may not insure complete safety for the user. Circumstances may require additional or more specific safety equipment.

Use "only" in well ventilated areas. Sodium Metabisulfite can release irritating and toxic Sulfur Dioxide gas during use.

<u>HMIS HAZARD RATINGS</u>	
Health	2
Flammability	0
Reactivity	0
Personal Protection	E

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	Not Flammable	Specific Gravity / Relative Density	1.48
Flammable Limits	ND	Molecular Weight	ND
Auto-Ignition Temp.	ND	Initial Boiling Point	ND
Physical State	Solid	Boiling Range	ND
Appearance	Fine White Granular	Vapor Pressure	ND
Odor	Pungent Sulfur Dioxide	Vapor Density	ND
Odor Threshold	ND	Freeze Point	ND
Solubility	39%	Melting Point	ND
Volatiles	NA	Partition Coefficient	ND
VOC	NA	Decomposition Temperature	ND
pH (± 0.3)	4.3 (1% Solution)	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, water, can produce toxic, sulfur dioxide gas
Thermal Decomposition	Burning or thermal decomposition can produce, sulfur dioxide, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

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

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, tearing, pain, or possible eye damage
Skin	Can cause skin irritation, redness, burning, drying or cracking
Inhalation	Harmful if inhaled, may cause severe allergic reactions, to asthmatics or "sulfite-sensitive" individuals, Dust can cause irritation, to mucus membranes or respiratory tract
Ingestion	Harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus, Moderate acute toxicity if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye damage, severe pain, severe burns, or possible corneal injury
Skin	Causes serious skin irritation, redness, burning, drying or cracking
Inhalation	Harmful if inhaled, may cause severe or possibly fatal allergic reactions, to asthmatics or "sulfite-sensitive" individuals, Dust can cause irritation, to mucus membranes or respiratory tract
Ingestion	Harmful if swallowed, Causes irritation, of the mouth, throat, and esophagus, Symptoms may include, severe or possibly fatal allergic reactions, to asthmatics or "sulfite-sensitive" individuals
Acute Tox Calculated	Oral: 1,131 mg/kg Dermal: 2,001 mg/kg Inhaled: mg/L
Acute Tox Category	Category 4 (Oral >300, ≤2000 mg/kg), "Not applicable (Dermal > 2,000 mg/kg)", "No data available (Inhaled)"
Additional Info	Chronic overexposure symptoms may include, sweating, flushing, hives, breathing difficulties, rapid heart rate, decreased blood pressure
Target Organs	Respiratory Tract, Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, eye, skin, respiratory, disorders may be aggravated by exposure to this product
Notes to Physician	Treat symptoms

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>
Sodium Metabisulfite	LD50	Oral	Rat	1131 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rat	> 2000 mg/kg		(>2000 mg/kg)

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>
Sodium Metabisulfite		Rainbow Trout	(Oncorhynchus mykiss)	150 mg/L	96 Hours	4 (>100 mg/L)
		Water Flea	(Daphnia magna)	89 mg/L	24 Hours	3 (>10, ≤100 mg/L)
Presistence And Degradability	Chemical Oxygen Demand (COD) 168 mg/g					
Bioaccumulative Potential	No data available					
Mobility In Soil	No data available					
Other Adverse Effects	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 Solid				
<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
Sodium Metabisulfite	Yes			

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
None Listed						

SARA

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

RIGHT TO KNOW

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

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Sodium Metabisulfite	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
S27	Take off immediately all contaminated clothing
S38	In case of insufficient ventilation wear suitable respiratory equipment
S61	Avoid release to the environment
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)

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