



# THE IRON, COBALT, & SPOT ETCHING STUFF

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Trade Secret
Trade Names	The Iron, Cobalt, & Spot Etching Stuff
CAS No.	Trade Secret

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	Swimming Pool Maintenance
Uses Advised Against	None

**Details of the supplier of the safety data sheet**

Company Identification	Jack's Magic Products, Inc. 12435 73 <sup>rd</sup> Court Largo, FL 33773 United States of America
Telephone	(800) 348-1656 / (727) 536-4500
Fax	(727) 532-0250
E-Mail (competent person)	<a href="mailto:Regulatory@JacksMagic.com">Regulatory@JacksMagic.com</a>

**Emergency telephone number**

Emergency Phone No.	CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
---------------------	---

### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)	Not classified as dangerous for supply/use.
-----------------------------	---

**Label elements**

Hazard Symbol(s)	None
Signal Word(s)	None
Hazard Statement(s)	May cause mechanical irritation of the skin and eyes.
Precautionary Statement(s)	IF SWALLOWED: Not normally required. Call a POISON CENTER or doctor/physician if you feel unwell. Treat symptomatically. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention. IF ON SKIN: Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Keep out of reach of children.

**Other hazards**

None

**Additional Information**

None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	*%W/W	CAS No.	Hazard Statement(s)
Proprietary antioxidant	100	Trade Secret	Not classified as dangerous for supply/use.



# THE IRON, COBALT, & SPOT ETCHING STUFF

Additional Information – None

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Not normally required. Treat symptomatically.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion	Not normally required. Call a POISON CENTER or doctor/physician if you feel unwell. Treat symptomatically.
<b>Most important symptoms and effects, both acute and delayed</b>	Causes serious eye damage.
<b>Indication of any immediate medical attention and special treatment needed</b>	None

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media	As appropriate for surrounding fire. Product is not classified as flammable or combustible, but will burn on prolonged exposure to flame or high temperature.
-Unsuitable Extinguishing Media	None anticipated.
<b>Special hazards arising from the substance or mixture</b>	None anticipated.
<b>Advice for fire-fighters</b>	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin and eyes.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses.
<b>Methods and material for containment and cleaning up</b>	Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water. If possible prevent water running into sewers.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid contact with skin, eyes or clothing.
<b>Conditions for safe storage, including any incompatibilities</b>	



# THE IRON, COBALT, & SPOT ETCHING STUFF

-Storage temperature  
-Incompatible materials

Do not allow material to freeze.  
Oxidizing agents.

**Specific end use(s)**

Swimming Pool Maintenance

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

### Exposure controls

#### Appropriate engineering controls

Not normally required.

#### Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Gloves (PVC, Neoprene, or Natural rubber).



Respiratory protection

Not normally required.



Thermal hazards

Not normally required.

#### Environmental Exposure Controls

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Solid / Crystalline
Color.	White
Odor	Odorless
Odor Threshold (ppm)	Not available
pH (Value)	5 - 8 (1% solution)
Melting Point/Freezing Point (°C)	> 160 (> 320 °F)
Boiling point/boiling range (°C)	Not available
Flash Point (°C)	Not available *
Evaporation Rate	Negligible
Flammability (solid, gas)	Non-flammable
Explosive Limit Ranges	Not applicable
Vapour Pressure (mm Hg)	Negligible
Vapour Density (Air=1)	Not applicable



# THE IRON, COBALT, & SPOT ETCHING STUFF

Density (g/ml)	1.702 (14.20 lg/gal)
Specific Gravity	1.702
Solubility (Water)	146 g/L - Very soluble
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	- 3.29 (Log Pow)
Auto Ignition Point (°C)	Not available *
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	Not available
Explosive properties	Not explosive
Oxidizing properties	Not oxidising

**Other information**

\* Product is not classified as flammable or combustible, but will burn on prolonged exposure to flame or high temperature.

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Oxidizing agents
<b>Hazardous decomposition product(s)</b>	None anticipated.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Exposure routes:** Skin Contact, Eye Contact

**Information on toxicological effects**

Acute toxicity (calculated / estimated)	Oral: LD50 >2000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw
Irritation/Corrosivity	May cause mechanical irritation of the skin and eyes.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	Not to be expected
Carcinogenicity	Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity	Not to be expected
Reproductive toxicity	Not to be expected

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

Short term (estimated / calculated)	LC50 (96 hour): > 100 mg/L(fish) EC50 (48 hour): > 100 mg/L (crustacea) EC50 (96 hour): > 100 mg/L (algae)
-------------------------------------	--

Long Term No data

<b>Persistence and degradability</b>	No data
<b>Bioaccumulative potential</b>	The product has no potential for bioaccumulation.
<b>Mobility in soil</b>	The product has low mobility in soil.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	None known.



# THE IRON, COBALT, & SPOT ETCHING STUFF

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods** Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**Additional Information** None known.

## SECTION 14: TRANSPORT INFORMATION

**Land transport**  
**(U.S. DOT)**

**UN number**  
**Proper Shipping Name** **Not classified as dangerous for transport.**  
**Transport hazard class(es)**  
**Packing group**  
**Environmental hazards**  
**Special precautions for user**

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or polymer exempt.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

**SARA 311/312 - Hazard Categories:** None

- Fire   
 Sudden Release   
 Reactivity   
 Immediate (acute)   
 Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.
None	-----	----

**SARA 302 - Extremely Hazardous Substances(40 CFR 355):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

**Proposition 65 (California):**

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

**Date of preparation:** December 19, 2015

**Hazard Statement(s) and Risk Phrases Listed in:** SECTION 2:/ SECTION 3:

**Hazard Statement(s)**

- None



## THE IRON, COBALT, & SPOT ETCHING STUFF

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Jack's Magic Products, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Jack's Magic Products, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.