



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 rd Court Largo, FL 33773 United States of America
	CHEMTREC (INCIDENT SUPPORT) PHONE: 800-424-9300 SECONDARY EMERGENCY PHONE: 727-560-3177 FAX: 727-532-0250

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)
-------------------------	-------	---------	---------------------



THE IRON, COBALT, & SPOT ETCHING STUFF

Proprietary antioxidant	100	Trade Secret	Not classified as dangerous for supply/use.
-------------------------	-----	--------------	---

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.
Most important symptoms and effects, both acute and delayed	Causes serious eye damage.
Indication of any immediate medical attention and special treatment needed	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.
Special hazards arising from the substance or mixture	None anticipated.
Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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



THE IRON, COBALT, & SPOT ETCHING STUFF

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

- Storage temperature Do not allow material to freeze.
- Incompatible materials 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 *



THE IRON, COBALT, & SPOT ETCHING STUFF

Evaporation Rate	Negligible
Flammability (solid, gas)	Non-flammable
Explosive Limit Ranges	Not applicable
Vapour Pressure (mm Hg)	Negligible
Vapour Density (Air=1)	Not applicable
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

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

Persistence and degradability No data



THE IRON, COBALT, & SPOT ETCHING STUFF

Bioaccumulative potential
Mobility in soil
Results of PBT and vPvB assessment
Other adverse effects

The product has no potential for bioaccumulation.
The product has low mobility in soil.
Not classified as PBT or vPvB.
None known.

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.



THE IRON, COBALT, & SPOT ETCHING STUFF

Date of preparation: December 19, 2015

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

Hazard Statement(s)

- None

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.