

# Safety Data Sheet



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## Section 1. Chemical Product and Company Identification

**Product Name** CK Iron Shield  
**Product Use** Metal Parts Protector  
**Product Code** 6873-A20  
**Date of Issue** 2/16/16  
**Supersedes** -

**Emergency Telephone Numbers**  
**CHEMTREC- 1-800-424-9300**

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

## Section 2. Hazards Identification

### Emergency Overview

**DANGER**



### Health and Physical Hazards

Flammable aerosol

Category 1

Skin Corrosion/Irritation

Category 3

Serious Eye Damage/ Eye Irritation

Category 2A

### Precautionary Statements:

P102 Keep out of reach of children  
P210 Keep away from heat, sparks, open flames and hot surfaces – no smoking  
P211 Do not spray on open flames or other ignition sources  
P251 Pressurized container: Do not pierce or burn even after use  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 122°F.  
P280 Wear eye protection and face protection  
P332+P313 If skin irritation occurs: get medical attention  
P264 Wash hands thoroughly after handling.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 IF eye irritation persists: Get medical advice/attention.

### Hazard Statements:

H222 Extremely flammable aerosol  
H229 Pressurized container may burst if heated  
H316 Causes mild skin irritation  
H319 Causes serious eye irritation

### Routes of Entry

**Dermal, Oral, and Inhalation**

### Acute Effects:

**Eyes** Overexposure can cause redness and burning sensation  
**Skin** Overexposure can cause defatting.  
**Inhalation** Causes irritation, headache, dizziness, nausea and loss of coordination. Overexposure can cause unconsciousness and even death.  
**Ingestion** Nausea, vomiting and gastrointestinal distress

## Section 3. Composition/Information on Ingredients

**Name of Hazardous Ingredients**

<b>Name of Hazardous Ingredients</b>	<b>CAS Number</b>	<b>% by Weight</b>
Stoddard Solvent	8052-41-3	29-51
Propane	74-98-6	8-17
Butane	106-97-8	4-9
Isobutane	75-28-5	2-5

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Rinse cautiously with water for at least 15 minutes holding open eyelids. Remove contact lenses if present and easy to do. If irritation persists, get medical advice or attention.
<b>Skin Contact</b>	Remove all contaminated clothing; wash before reuse. Wash skin with water for at least 15 minutes. Call a poison center or doctor if you feel unwell.
<b>Inhalation</b>	Move person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Immediately call a poison center or physician. If vomiting occurs, lie on your side in the recovery position. Never give anything orally to an unconscious person.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A)  
(estimated rating)



<b>Hazardous Combustion Products</b>	CO and CO <sub>2</sub>
<b>Extinguishing Media</b>	Water, fog, dry chemical or carbon dioxide
<b>Unsuitable Extinguishing Media</b>	Water may be ineffective but can be used to cool containers
<b>Fire Fighting Procedures</b>	Stop spill/release if it can be done without risk. Move undamaged containers if it can be done safely. Contents under pressure. Keep away from ignition sources and open flames. Exposure to extreme heat and flames can cause them to rupture often with violent force.

**Section 6. Accidental Release Measures**

<b>Spill Clean Up</b>	Stop spill/release if it can be done without risk. Prevent spilled material from entering sewers, storm drains and waterways. Eliminate all ignition sources. Avoid contact with spilled material. Wear appropriate personal protection to avoid contact with skin or eyes or through inhalation. Do not touch or walk through spilled material. Clean up immediately. Use absorbent sweeping compound to soak up material and put into suitable container for disposal.
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**Section 7. Handling and Storage**

<b>Handling and Storage</b>	For industrial use only. Keep away from children. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe in vapors. Do not eat, drink or smoke while using product. Store in a cool, dry place. Protect from sunlight. Empty containers retain residue that may be dangerous.
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**Section 8. Exposure Controls/Personal Protection****Exposure Limits**

<b>Product Name</b>	<b>OSHA PEL</b>	<b>NIOSH REL</b>	<b>AIHA WEEL</b>	<b>ACGIH TLV</b>
Propane (74-98-6)	1,000ppm TWA	1,000ppm TWA	-	2,500ppm TWA
Stoddard Solvent (8052-41-3)	500 TWA	350 mg/m <sup>3</sup> TWA	-	100ppm TWA
Butane (106-97-8)		800ppm TWA		1000ppm TWA
Isobutane (75-28-5)		800ppm TWA		1000ppm TWA

<b>Engineering Controls</b>	Use in a well-ventilated area
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**Personal Protective Equipment (PPE)**

**Eyes** Wear safety glasses or safety goggles. Contact lenses may absorb irritants

**Body** Wear gloves and long sleeve shirt, long pants and other protective clothing to minimize skin contact. Wear chemical resistant gloves.

**Respiratory** Use a NIOSH approved respirator if TLV are reached or exceeded. When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Aerosol	<b>Explosive Limits</b>	Lower: 1.9 Upper 9.5
<b>Color</b>	Clear	<b>Vapor Pressure</b>	N/A
<b>Odor</b>	N/A	<b>Vapor Density</b>	Slower than ether
<b>Odor Threshold</b>	N/A	<b>Density</b>	7.38574 lb/gal
<b>pH</b>	N/A	<b>% VOC</b>	62.99762 %
<b>Freezing Point</b>	N/A	<b>Partition Coefficient</b>	N/A
<b>Boiling Point</b>	Low: 260°F High: N/A	<b>Auto-Ignition Temp.</b>	N/A
<b>Flash Point</b>	N/A	<b>Decomposition Temp.</b>	N/A
<b>Evaporation Rate</b>	Slower than ether	<b>Viscosity</b>	N/A
<b>Flammability</b>	Flash Point below 73°F	<b>Specific Gravity</b>	N/A

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	Stable
<b>Incompatibility</b>	None known
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition Products</b>	CO and CO <sub>2</sub>
<b>Conditions to Avoid</b>	High temperatures, sparks and open flames

**Section 11. Toxicological Information**

<b>Routes of Entry</b>	Dermal, oral and inhalation
<b>Symptoms</b>	See section 2
<b>Skin Irritant</b>	Overexposure will cause defatting of the skin. Mild skin irritation
<b>Eye Irritant</b>	Causes serious eye irritation. May cause redness and burning sensation with over exposure.
<b>Sensitizers</b>	Not determined
<b>Mutagenicity</b>	No information found
<b>Carcinogenicity</b>	No information found
<b>Reproductive Toxicity</b>	No information found
<b>Target Organs</b>	
<b>Acute toxicity:</b>	See below

**Stoddard Solvent (CAS# 8052-41-3)**

<b>Oral</b>	LD50(oral, rat): greater than 5000mg/kg
<b>Dermal</b>	LD50(Dermal, rabbit): >3000mg/kg
<b>Inhalation</b>	LD50 (Inhalation, rat): > 5500mg/m <sup>3</sup> /4H (5500mg/m <sup>3</sup> )

**Propane (CAS# 74-98-6)**

No data found on acute toxicity of propane

**Isobutane (CAS#75-28-5)**

<b>Oral</b>	<b>No data</b>
<b>Inhalation</b>	LC50(inhalation, rat): 57pph/15M (570000ppm)
<b>Dermal</b>	<b>No data</b>

**Butane (CAS# 106-97-8)**

Oral **No data**  
 Inhalation LC50(inhalation, rat): 658gm/m3/4H (658000mg/m3)  
 Dermal **No data**

### Section 12. Ecological Information

**Environmental Effects** No ecological information available

### Section 13. Disposal Considerations

ederal, State and Local pollution control regulations.

### Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	-	Consumer Commodity	ORM-D	-	None

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

### Section 15. Regulatory Information

**US Federal Regulations** The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: None

The following substances have CERCLA reportable quantity values (in pounds):

Propane (CAS # 74-98-6) CAA 112(r) TQ listed: 10,000  
 Isobutane (CAS # 75-28-5) CAA 112(r) TQ listed: 10,000  
 Butane (CAS# 106-97-8)CAA 112(r) TQ listed: 10,000

**State Regulations** -

### Section 16. Other Information

Last Revision 2/19/2016

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.