

# LOCKFORMER



**MATERIAL SAFETY DATA SHEET**

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## LOCKFORMER GALV OFF

### 1. Product And Company Identification

<p><b>Supplier</b>                  Formtek Metal Processing Group, Inc. (Lockformer Co.)                  711 Ogden Ave.                  Lisle, IL 60532 USA</p> <p><b>Company Contact:</b> Ms. Carol Kowaleski  <b>Telephone Number:</b> 630-964-8000  <b>FAX Number:</b> 630-964-5685</p>	<p><b>Manufacturer</b>                  Chase_Products_Co.                  19th and Gardner Road                  Broadview, IL 60155 USA</p> <p><b>Company Contact:</b> Laura E. Radevski  <b>Telephone Number:</b> 708-865-1000  <b>FAX Number:</b> 708-865-0923  <b>E-Mail:</b> sales@chaseproducts.com  <b>Web Site:</b> www.chaseproducts.com</p>
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<p><b>Supplier Emergency Contacts &amp; Phone Number</b>                  Chem-Tel Domestic: 1-800-255-3924                  Chem-Tel International: 1-813-248-0585</p>	<p><b>Manufacturer Emergency Contacts &amp; Phone Number</b>                  None Given</p>
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**Issue Date:** 01/06/2010

**Product Name:** LOCKFORMER GALV OFF  
**Chemical Name:** 7-4357-1  
**MSDS Number:** 4619  
**Product Code:** 431-2241-1  
**Product/Material Uses** - Remover of galvanizing residues.

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
BUTANE	106-97-8		
ETHYL BENZENE	100-41-4	<	1
HEAVY NAPHTHENIC DISTILLATE	64742-52-5		
LOW ODOR MINERAL SPIRITS	64742-47-8		
PROPANE	74-98-6		

Hazardous components, according to OSHA, are listed when present at 1.0% or greater. Carcinogens are listed when present at 0.1% or greater.

### 3. Hazards Identification

**Primary Routes(s) Of Entry** - Ingestion (possible, but considered unlikely), eye contact, skin contact, inhalation.

**Eye Hazards** - Can cause irritation after contact with the eyes.

**Skin Hazards** - Can cause skin irritation after contact with skin.

**Ingestion Hazards** - This is an aerosol product, ingestion is unlikely to occur. Contains petroleum distillate, harmful if swallowed. If accidentally swallowed, do not induce vomiting. Call physician immediately.

**Inhalation Hazards** - Deliberated inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea.

**Chronic/Carcinogenicity Effects** - Contains less than 1% ethyl benzene; IARC has evaluated and classified ethyl benzene as a possibly human carcinogen (group 2B) based on sufficient evidence of carcinogenicity in animals, but inadequate evidence for cancer in exposed humans. California's Proposition 65: "Warning: This product contains a chemical known to the State of California to cause cancer". Over exposure to solvents have been associated with nervous system damage.

**Teratogenicity (Birth Defects)** - Not known

**Reproductive Effects** - Not known

**Neurotoxicity** - Not known

**Mutagenicity (Genetic Effect)** - Not known

**Signs And Symptoms** - Acute: Deliberate inhalation of concentrated vapor or mist may cause headaches, dizziness

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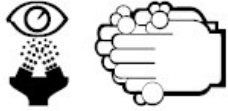
### 3. Hazards Identification - Continued

and nausea. Contact with skin can cause irritation. Irritant to the eyes.

**Conditions Aggravated By Exposure** - May aggravate pre-existing skin, respiratory, nervous system disorders.

**Conditions Aggravated By Overexposure** - May aggravate pre-existing skin, respiratory, nervous system disorders.

### First Aid (Pictograms)



### 4. First Aid Measures

**Eye** - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin** - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advise.

**Ingestion** - Ingestion from an aerosol product is unlikely to occur. Contains petroleum distillates. Harmful if swallowed. If accidentally swallowed, do not induce vomiting, call physician immediately.

**Inhalation** - If overcome by vapor move victim to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

### 5. Fire Fighting Measures

**Flash Point:** Not available °F Not available °C

**Flash Point Method:** Not available

**Lower Explosive Limit:** Not available

**Upper Explosive Limit:** Not available

**Fire And Explosion Hazards** - This product is an aerosol product for which **Flame Projection is 18 in. with flashback.** Temperatures above 120 F may cause cans to burst.

**Extinguishing Media** - Use CO2 (Carbon Dioxide), dry chemical, or water fog.

**Fire Fighting Instructions** - Water spray may be used to cool cans in the vicinity of fire or excessive heat.

### 6. Accidental Release Measures

Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

**Handling And Storage Precautions** - Handle as an extremely flammable product. Store in a cool, dry place away from heat and open flame.

**Handling Precautions** - Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes. Keep out of reach of children.

**Storage Precautions** - Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity). **AEROSOL STORAGE LEVEL III (NFPA-30B)**

**Work/Hygienic Practices** - Wash hands thoroughly with soap and water after using this product.

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### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

**Engineering Controls** - Use with adequate general and local exhaust ventilation.

**Eye/Face Protection** - Conventional eyeglasses to guard against splashing.

**Skin Protection** - Neoprene or vinyl gloves required.

**Respiratory Protection** - Use in a well-ventilated area ONLY. **NOTICE:** Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or use an appropriate, properly fitted respirator (NIOSH approved), or leave the area. **NOTE:** Follow respirator manufacturer's instructions carefully.

### Ingredient(s) - Exposure Limits

**BUTANE**  
ACGIH TLV-TWA 800 ppm

**ETHYL BENZENE**  
ACGIH TLV-STEL 125 ppm (Notice of intended change) ; ACGIH TLV-TWA 100 ppm (Notice of Intended Change) ;  
OSHA PEL-TWA 100 ppm

**HEAVY NAPHTHENIC DISTILLATE**  
OSHA PEL 5mg/m<sup>3</sup> as oil mist in air ; ACGIH TLV 5 mg/m<sup>3</sup> as oil mist in air

**LOW ODOR MINERAL SPIRITS**  
OSHA PEL 500ppm ; ACGIH TLV 100ppm (Limits for Stoddard Solvent used as a guide).

**PROPANE**  
ACGIH TLV-TWA 2500 ppm ; OSHA PEL-TWA 1,000 ppm

### 9. Physical And Chemical Properties

**Appearance** - Greenish-blue liquid

**Odor** - Petroleum hydrocarbon odor

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** Not applicable °F Not applicable °C

**Boiling Point:** Naphthenic Distillates 550 °F 288 °C

**Specific Gravity:** 0.815 concentrate

**Percent VOCs:** 62.75

**Solubility:** Insoluble

**Evaporation Rate:** Faster than butyl acetate

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions To Avoid (Stability)** - Temperatures above 120 F

**Incompatible Materials** - Avoid heat, open flame and contact with strong oxidizers.

**Hazardous Decomposition Products** - Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**Conditions To Avoid (Polymerization)** - Temperatures above 120 F

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### 11. Toxicological Information

**Ingredient(s) - Carcinogenicity**

ETHYL BENZENE

Listed In The IARC Monographs

### 12. Ecological Information

**Ecotoxicological Information** - No specific ecological data is available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

### 13. Disposal Considerations

Do not puncture or incinerate container. **If empty:** Place in garbage or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

### 14. Transport Information

**Proper Shipping Name** - ORM-D Consumer Commodity

**Hazard Class**

2.1

**DOT Identification Number**

UN1950

**DOT Shipping Label**

Aerosol Consumer Commodity

### 15. Regulatory Information

**U.S. Regulatory Information** - All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SARA Hazard Classes**

Acute Health Hazard; Fire Hazard

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**SARA Section 313 Notification** - This product contains the following toxic chemicals (above the *deminimis* level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material: Ethyl benzene. See Section 2 for % amount in the product.

**Ingredient(s) - U.S. Regulatory Information**

ETHYL BENZENE

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**Ingredient(s) - State Regulations**

BUTANE

New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

ETHYL BENZENE

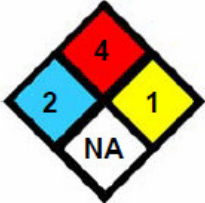
New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Pennsylvania - Environmental Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

PROPANE

New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

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### 15. Regulatory Information - Continued

<p><b>NFPA</b></p> 	<p><b>HMIS</b></p> <table border="1"> <tr> <td>HEALTH</td> <td style="text-align: center;">*2</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">4</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">B</td> </tr> </table>	HEALTH	*2	FLAMMABILITY	4	REACTIVITY	1	PERSONAL PROTECTION	B
HEALTH	*2								
FLAMMABILITY	4								
REACTIVITY	1								
PERSONAL PROTECTION	B								

### 16. Other Information

**Revision/Preparer Information**

MSDS Preparer: Laura E. Radevski

MSDS Preparer Phone Number: 708-865-1000

This MSDS Supersedes A Previous MSDS Dated: 06/14/2005

**Disclaimer**

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**Lockformer Company**

ShopRPM Machine