

**MATERIAL SAFETY DATA SHEET**

1/09/2009

CARROLL COMPANY  
EMERGENCY TELEPHONES

2900 West Kingsley Road  
Infotrac 24 Hours

Garland, TX 75041  
1-800-535-5053

1-972-278-1304  
1-800-527-5722

**SECTION 1 - PRODUCT**  
NAME: LIME-OFF  
Product No: 375  
Product Type: Non Foaming Delimer

Health	Flammability	Reactivity	PPE
1	0	2	3
Health Haz	Fire Haz	Reactivity	Personal Protection
0= minimal	0= will not burn	0= none	0= not necessary
1= slightly haz	1= FP>141F	1= mild	1= goggles
2= hazardous	2= FP=>73F=<141F	2= strong	2= goggles, gloves
3= serious haz	3= FP<73F		3= goggles, gloves, protective clothes
4= severe haz	4= BP<95F FP by PMCC		4= goggles, gloves & respirator
* DGIS			

**SECTION 2 - HAZARDOUS INGREDIENTS**  
Phosphoric Acid CAS #7664-38-2 WT%=27.75  
Sulfamic Acid CAS #5329-14-6 WT%=3.90

**SECTION 3 - HEALTH HAZARD & FIRST AID**  
1. Acute Health Effect Yes  
2. Chronic Health Effects Yes  
3. Carcinogen NO  
4. Primary Entry Routes:  
a) Skin & Eyes: Contact with the skin can cause burns. Upon contact with the skin there may not be an immediate burning sensation. Burns the eyes on contact.  
b) Ingestion: Large doses will cause damage to the mouth, throat, esophagus, and stomach.  
c) Inhalation: Not considered a hazard.  
5. First Aid:  
a) Skin: Remove contaminated clothing-wash skin with large volumes of water for at least 15 minutes. If irritation persists get medical attention.  
b) Eyes: Wash eyes with large volumes of water for at least 15 minutes while lifting the upper and lower eyelids and rotating the eyeball. Get immediate medical attention.  
c) Ingestion: Give large volumes of water. Do not induce vomiting. Get medical attention.  
d) Inhalation: N/A

**SECTION 4 - PHYSICAL & CHEMICAL CHARACTERISTICS**  
1. Physical State Liquid  
2. Color Green  
3. Odor Slightly Sweet  
4. Solubility in water Complete  
5. Specific Gravity (H2O=1.0) 1.21  
6. pH 1.50 ( 2% soln )  
7. Freezing Point N/A  
8. Flash Point None (will not burn)  
9. Vapor Pressure N/A

**SECTION 5 - FIRE AND EXPLOSION HAZARD**  
1. Flash Point None (will not burn)  
2. Extinguishing Media N/A  
3. Special Fire Fighting Procedures N/A  
4. Unusual Fire & Explosion Hazard Fire fighters should observe all precautions that apply to any fire where chemicals are stored.

**SECTION 6 - REACTIVITY DATA \***  
1. Stability Stable  
2. Conditions to Avoid Do not mix with oxidizing agents, bleach, strong alkalis or acids. Avoid using on aluminum ware.

**SECTION 7 - SPILL OR LEAK PROCEDURES**  
1. Wear recommended Personal Protection Equipment.  
2. If product leaks or spills - Flood area with water-mop up dispose to sanitary sewer.  
3. Product may be neutralized with baking soda.  
4. Abide by Federal, State, and Local regulations.

**SECTION 8 - PERSONAL PROTECTION**  
1. Use this product in a well ventilated area.  
2. Wear goggles.  
3. Wear rubber gloves.  
4. Wear protective clothing.

**SECTION 9 - SPECIAL PRECAUTIONS**  
1. Store containers tightly closed and in an upright position.  
2. Do not destroy or deface the label.

**SECTION 10 - SECTION 313 SUPPLIER NOTIFICATION (SARA)**  
This product contains the following toxic chemicals 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:  
None

**SECTION 11 - TOXICOLOGICAL INFORMATION**  
None

**SECTION 12 - ECOLOGICAL INFORMATION**  
None

**SECTION 13 - DISPOSAL CONSIDERATIONS**  
1. See Section 7 above.

**SECTION 14 - DOT TRANSPORT INFORMATION\***  
1. This product is in Package Group III.  
2. 1.3 Gallons and smaller are classed as CONSUMER COMMODITY ORM-D thus are exempt from regulation.  
3. Larger containers ARE regulated.  
4. The Bill of Lading Proper Shipping Name UN3264, Corrosive liquid, acidic, inorganic, n.o.s (contains Phosphoric acid) , 8, III

**SECTION 15 - OTHER REGULATORY INFORMATION**  
All ingredients appear on the TSCA Inventory List.

**SECTION 16 - OTHER INFORMATION**  
\* Revision 1/9/09 in Section 14.  
1. N/A = Not Applicable  
2. \*Dangerous Goods Identification System (DGIS)  
3. PMCC = Pensky Martin Closed Cup  
4. Manufacturer believes that the information given here is accurate. The suggested procedures are based on experience and common sense and are not necessarily all-inclusive of every conceivable circumstance.