

1. Product & Company Identification

Product Name: Chem-X D-Lime 90
 Item Number(s):
 Relevant Identified Use:
 Restrictions On Use: **For Industrial Use Only**
 Manufacturer: Chem-X
 270 Main St, Unit X
 Agawam, MA 01001
 (800) 624-5403

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|--|----------------|
| For Emergencies Involving A Spill, Leak, Fire, Exposure or Accident, Contact: | |
| INFOTRAC | (800) 535-5053 |

2. Hazard(s) Identification

| Hazard Classification | Hazard Statements | Hazard Category |
|--|--|-----------------|
| H315 Skin corrosion/irritation (chapter 3.2) | Causes skin irritation | 2 |
| H317 Sensitization, skin (chapter 3.4) | May cause an allergic skin reaction | 1 |
| H320 Serious eye damage/eye irritation (chapter 3.3) | Causes eye irritation | 2B |
| H226 Flammable liquids (chapter 2.6) | Flammable liquid and vapour | 3 |
| H304 Aspiration hazard (chapter 3.10) | May be fatal if swallowed and enters airways | 1 |

Signal Word: **DANGER**

Hazard Pictograms:



Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P210 Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 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.
 P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
 P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 Do NOT induce vomiting.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container to local/regional regulations.

3. Composition/Information on Ingredients

Chemical Characterization: Mixture

| Chemical Name | Synonym | CAS # | Concentration |
|------------------------|---------|-------------|---------------|
| D-Limonene | | 5989-27-5 | 88-92% |
| Proprietary Surfactant | | Proprietary | 8-12% |

4. First Aid Measures

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| After Inhalation: | Remove victim to fresh air. Administer oxygen if breathing is difficult. Seek medical attention if respiratory irritation or distress continues. |
| After Skin Contact: | Wash with plenty of soap and water for no less than 15 minutes. If irritation persists, seek medical attention. Wash contaminated clothing before re-use. |
| After Eye Contact: | Flush with a gentle, steady stream of water for at least 15 minutes. Seek medical attention if irritation persists. |
| After Swallowing: | Do NOT induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Do not leave victim unattended. Call a POISON CENTER or doctor/physician immediately. |

5. Firefighting Measures

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|-------------------------------------|--|
| Suitable Extinguishing Media: | Dry chemical, carbon dioxide, foam, water spray. |
| Specific Firefighting Measures: | N/A |
| Unusual Fire and Explosion Hazards: | N/A |
| Special Protective Equipment: | N/A |
| Special Precautions: | Do not use a solid water stream as it may scatter and spread fire. |

6. Accidental Release Measures

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| Personal Precautions/Protective Equipment: | Wear proper protective equipment to minimize exposure. |
| Emergency Procedures: | Dispose according to State, Federal & Local regulations. |
| Environmental Precautions: | Avoid runoff to waterways and sewers. |

7. Handling & Storage

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|---------------------------------|--|
| Precautions For Safe Handling: | Wear safety glasses and gloves as appropriate to minimize skin contact. Use product only as intended. |
| Recommended Storage Conditions: | Protect against physical damage. Store in a cool, dry, well ventilated location away from incompatibles. Do not store in unlabeled or mislabeled containers. |

8. Exposure Controls / Personal Protection

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|--|---|
| OSHA Permissible Exposure Limits (PELs): | N/A |
| ACGIH Threshold Limit Values (TLVs): | N/A |
| Appropriate Engineering Controls: | Ensure adequate ventilation. Use explosion-proof equipment. |
| Personal Protective Measures: | Wear safety glasses with side-shields or splash-proof goggles to avoid eye contact. Wear protective clothing, including gloves, lab coat, apron or coveralls as appropriate to minimize skin contact. |

General Industrial Hygiene Practices:

Wash with soap and water before meals and at the end of each work shift. Good manufacturing practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. Physical & Chemical Properties

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|------------------------|---------------------------|------------------------|---------|---------------------|---------|
| Appearance: | Clear, Pale Yellow Liquid | Odor: | N/A | Odor Threshold: | N/A |
| pH: | 8-9 | Melting Point: | N/A | Freezing Point: | 0° C |
| Initial Boiling Point: | Unknown | Boiling Range: | Unknown | Flash Point: | >48° C |
| Evaporation Rate: | Unknown | Flammability (Solid): | Unknown | Flammability (Gas): | Unknown |
| Lower Explosive Limit: | Unknown | Upper Explosive Limit: | Unknown | Vapor Pressure: | N/A |
| Vapor Density: | Unknown | Relative Density: | .84-.9 | Solubility: | Unknown |
| Log Kow: | Unknown | Auto-Ignition Temp: | Unknown | Decomposition Temp: | Unknown |



| | | | |
|------------|---------|--------------|---------|
| Viscosity: | Unknown | VOC Content: | Unknown |
|------------|---------|--------------|---------|

10. Stability & Reactivity

Reactivity: No information available.
 Chemical Stability: This product is stable under normal handling & storage conditions.
 Other Information: Avoid excess heat, open flame, hot surfaces and sources of ignition.

11. Toxicological Information

Routes of Harmful Exposure: Eye contact, skin contact, ingestion.
 Delayed, Immediate or Chronic Effects: Causes eye irritation. May cause skin irritation or allergic reaction. If serious or persistent reaction occurs, seek medical attention.
 Acute Toxicity Estimates: N/A
 Known or Suspected Carcinogens: None (NTP, IARC, OSHA)

12. Ecological Information

Ecological Toxicity Data: No ecological or environmental hazards known or expected
 Persistence & Degradability: 100% Biodegradable
 Bioaccumulation Potential: Not expected to bioaccumulate
 Adsorption or Leaching Concerns: None known
 Other Adverse Effects: None known

13. Disposal Considerations

Waste Disposal Recommendations: Dispose according to local/regional regulations.
 Ecology - Waste Material: Avoid release to the environment.
 EPA Hazardous Waste: No

14. Transport Information

US DOT, IATA, IMDG : Not Regulated

15. Regulatory Information

Inventory Status: All components included on TSCA, DSL, EINECS/ELINCS, AICS, MITI, KECL Inventory Lists.
 Federal Regulations: All functional components of this product are listed on the TSCA inventory.

16. Other Information

California "Prop 65": This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

This information is furnished without warranty, expressed or implied, and is believed to be accurate to the best knowledge of Chem-X. The data on this SDS relates only to the specific material design herein. Chem-X assumes no legal responsibility for use or reliance upon this data. This product has been classified according to the hazard criteria of the CPR and this SDS contains all the information required by the CPR.