

**1. Identification**

**Product identifier** DELIMER

**Other means of identification**

**SDS number** 091

**Product code** HIL00013

**Recommended use** Heavy Duty Liquid Lime Scale Remover.

**Recommended restrictions** For Labeled Use Only

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** HILLYARD INDUSTRIES

**Address** 302 North Fourth St.  
 St. Joseph, MO 64501

**Contact person** Regulatory Affairs

**Telephone number** (816) 233-1321 (Ext. 8285)

**Fax** (816) 383-8485

**E-mail** regulatoryaffairs@hillyard.com

**Emergency telephone #** (800) 424-9300

(Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals)

**2. Hazard(s) identification**

**Physical hazards** Corrosive to metals Category 1

**Health hazards** Acute toxicity, inhalation Category 3

    Skin corrosion/irritation Category 1B

    Serious eye damage/eye irritation Category 1

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3

    Hazardous to the aquatic environment, long-term hazard Category 3

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** Causes severe skin burns and eye damage. Toxic if inhaled. May be corrosive to metals. Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

**Precautionary statement**

**Prevention** Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Keep only in original container. Use only in well ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

|  |  |
|--|--|
| <b>Response</b>                                  | Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage. |
| <b>Storage</b>                                   | Store locked up. Store in a corrosive resistant container. Store in a well-ventilated place. Keep container tightly closed.  |
| <b>Disposal</b>                                  | Dispose of contents/container to an approved waste disposal plant.   |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |
| <b>Supplemental information</b>                  | None.  |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                            | Common name and synonyms | CAS number | %    |
|--|--------------------------|------------|------|
| PHOSPHORIC ACID                          |                          | 7664-38-2  | 27.5 |
| NITRIC ACID                              |                          | 7697-37-2  | 4    |
| Other components below reportable levels |                          |            | 68.5 |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

|   |  |
|---|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.   |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.  |
| <b>Ingestion</b>  | Call a physician or poison control center immediately. Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Corrosive. Causes tissue destruction, permanent damage to the cornea, blindness. Causes irritation (possibly severe), burns to the skin. Mists may cause lung irritation, shortness of breath, fluid in lungs. Ingestion causes nausea, vomiting, diarrhea, corrosion, burns to mouth and esophagus, abdominal pain, chest pain, shortness of breath, seizures, death. |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.   |

### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | If the stock solution container breaks, the solution should be handled with care as it is corrosive.<br>At flame temperatures, toxic phosphoric oxide fumes may be emitted. Nitrogen oxides (NOx). |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.  |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.   |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Should not be released into the environment. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not ingest. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Store in a cool, dry place out of direct sunlight. Store in corrosive resistant container with a resistant inner liner. Keep only in the original container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                      | Type | Value               |
|---------------------------------|------|---------------------|
| NITRIC ACID (CAS 7697-37-2)     | PEL  | 5 mg/m <sup>3</sup> |
|                                 |      | 2 ppm               |
| PHOSPHORIC ACID (CAS 7664-38-2) | PEL  | 1 mg/m <sup>3</sup> |

#### US. ACGIH Threshold Limit Values

| Components                      | Type | Value               |
|---------------------------------|------|---------------------|
| NITRIC ACID (CAS 7697-37-2)     | STEL | 4 ppm               |
|                                 | TWA  | 2 ppm               |
| PHOSPHORIC ACID (CAS 7664-38-2) | STEL | 3 mg/m <sup>3</sup> |
|                                 | TWA  | 1 mg/m <sup>3</sup> |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components                      | Type | Value                |
|---------------------------------|------|----------------------|
| NITRIC ACID (CAS 7697-37-2)     | STEL | 10 mg/m <sup>3</sup> |
|                                 |      | 4 ppm                |
|                                 | TWA  | 5 mg/m <sup>3</sup>  |
|                                 |      | 2 ppm                |
| PHOSPHORIC ACID (CAS 7664-38-2) | STEL | 3 mg/m <sup>3</sup>  |
|                                 | TWA  | 1 mg/m <sup>3</sup>  |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

|  |   |
|--|---|
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.   |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Avoid contact with eyes. Wear safety glasses with side shields (or goggles) and a face shield.  |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Wear protective gloves. Rubber (natural, latex). Neoprene.  |
| <b>Other</b>   | Avoid contact with the skin. If contact is likely, wear protective clothing appropriate to use conditions.  |
| <b>Respiratory protection</b>  | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. |
| <b>Thermal hazards</b>   | None known.   |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Launder contaminated clothing before reuse.   |

## 9. Physical and chemical properties

|   |                         |
|---|-------------------------|
| <b>Appearance</b>                                   | Clear, colorless liquid |
| <b>Physical state</b>                               | Liquid.                 |
| <b>Form</b>   | Liquid.                 |
| <b>Color</b>  | Colorless               |
| <b>Odor</b>   | Odorless.               |
| <b>Odor threshold</b>                               | Not available.          |
| <b>pH</b>   | 1.5 - 2.1 (1% solution) |
| <b>Melting point/freezing point</b>                 | Not available.          |
| <b>Initial boiling point and boiling range</b>      | Not applicable          |
| <b>Flash point</b>                                  | Not available.          |
| <b>Evaporation rate</b>                             | Not available.          |
| <b>Flammability (solid, gas)</b>                    | Not applicable.         |
| <b>Upper/lower flammability or explosive limits</b> |                         |
| <b>Explosive limit - lower (%)</b>                  | Not available.          |
| <b>Explosive limit - upper (%)</b>                  | Not available.          |
| <b>Vapor pressure</b>                               | Not available           |
| <b>Vapor density</b>                                | Not available.          |
| <b>Relative density</b>                             | 1.188 at 77° F          |
| <b>Solubility(ies)</b>                              |                         |
| <b>Solubility (water)</b>                           | Soluble                 |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.          |
| <b>Auto-ignition temperature</b>                    | Not available.          |
| <b>Decomposition temperature</b>                    | Not available.          |
| <b>Viscosity</b>                                    | Not available.          |
| <b>Other information</b>                            |                         |
| <b>Density</b>                                      | 9.89 lb/gal             |
| <b>Explosive properties</b>                         | Not explosive.          |
| <b>Oxidizing properties</b>                         | Not oxidizing.          |
| <b>Percent volatile</b>                             | 30.9 - 32.1             |
| <b>VOC</b>  | Not available           |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | Reacts violently with strong alkaline substances. This product may react with reducing agents. May be corrosive to metals.                                     |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.   |
| <b>Conditions to avoid</b>                | Contact with incompatible materials. Do not mix with other chemicals.  |
| <b>Incompatible materials</b>             | Fluorine, strong oxidizing and reducing agents, bases, metals, sulfur tioxide, and phosphorus petoxide. Contact with metals may evolve flammable hydrogen gas. |
| <b>Hazardous decomposition products</b>   | At flame temperatures, toxic phosphoric oxide fumes may be emitted. Nitrogen oxides (NOx).   |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause irritation to the respiratory system. Prolonged inhalation may be harmful. |
| <b>Skin contact</b> | Causes severe skin burns.  |
| <b>Eye contact</b>  | Causes serious eye damage.   |
| <b>Ingestion</b>    | Toxic if swallowed. Causes digestive tract burns.                                    |

**Symptoms related to the physical, chemical and toxicological characteristics** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### Information on toxicological effects

**Acute toxicity** Not known.

| Components                      | Species | Test Results |
|---------------------------------|---------|--------------|
| PHOSPHORIC ACID (CAS 7664-38-2) |         |              |
| <b>Acute</b>                    |         |              |
| <b>Dermal</b>                   |         |              |
| LD50                            | Rabbit  | 2740 mg/kg   |
| <b>Oral</b>                     |         |              |
| LD50                            | Rat     | 1530 mg/kg   |

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation** Causes serious eye damage.

### Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

## 12. Ecological information

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | Harmful to aquatic life with long lasting effects. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. |
| <b>Persistence and degradability</b> |   |
| <b>Bioaccumulative potential</b>     | No data available.  |
| <b>Mobility in soil</b>              | No data available.  |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.                   |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | Not regulated.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.   |

## 14. Transport information

### DOT

|                                     |  |
|-------------------------------------|--|
| <b>UN number</b>                    | UN3264   |
| <b>UN proper shipping name</b>      | Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID, NITRIC ACID) |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | 8  |
| <b>Subsidiary risk</b>              | -  |
| <b>Label(s)</b>                     | 8  |
| <b>Packing group</b>                | III  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.    |
| <b>Special provisions</b>           | B2, IB2, T11, TP2, TP27  |
| <b>Packaging exceptions</b>         | 154  |
| <b>Packaging non bulk</b>           | 202  |
| <b>Packaging bulk</b>               | 242  |
| <b>ERG number</b>                   | 154  |

PACKAGES 1 GALLON AND SMALLER ARE SHIPPED LIMITED QUANTITY OR ORM-D

### IATA

|                                     |  |
|-------------------------------------|--|
| <b>UN number</b>                    | UN3264   |
| <b>UN proper shipping name</b>      | Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID, NITRIC ACID) |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | 8  |
| <b>Subsidiary risk</b>              | -  |
| <b>Packing group</b>                | III  |
| <b>Environmental hazards</b>        | No.  |
| <b>ERG Code</b>                     | 8L   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.    |
| <b>Other information</b>            |  |
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions.   |
| <b>Cargo aircraft only</b>          | Allowed with restrictions.   |

### IMDG

|                                   |   |
|-----------------------------------|---|
| <b>UN number</b>                  | UN3264  |
| <b>UN proper shipping name</b>    | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID) |
| <b>Transport hazard class(es)</b> |   |
| <b>Class</b>                      | 8   |
| <b>Subsidiary risk</b>            | -   |

Packing group III

Environmental hazards

Marine pollutant No.

EmS F-A, S-B

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

DOT



IATA; IMDG



### 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

NITRIC ACID (CAS 7697-37-2) Listed.

PHOSPHORIC ACID (CAS 7664-38-2) Listed.

**SARA 304 Emergency release notification**

NITRIC ACID (CAS 7697-37-2) 1000 LBS

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

| Chemical name | CAS number | Reportable quantity (pounds) | Threshold planning quantity (pounds) | Threshold planning quantity, lower value (pounds) | Threshold planning quantity, upper value (pounds) |
|---------------|------------|------------------------------|--------------------------------------|---|---|
| NITRIC ACID   | 7697-37-2  | 1000                         | 1000                                 |   |   |

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| NITRIC ACID   | 7697-37-2  | 4        |

**Other federal regulations****Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

NITRIC ACID (CAS 7697-37-2)

**Safe Drinking Water Act (SDWA)** Not regulated.**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

PHOSPHORIC ACID (CAS 7664-38-2) High priority

**US state regulations** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

NITRIC ACID (CAS 7697-37-2)

PHOSPHORIC ACID (CAS 7664-38-2)

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | Yes                    |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | Yes                    |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

|                      |  |
|----------------------|--|
| <b>Issue date</b>    | 11-04-2017   |
| <b>Revision date</b> | 03-21-2018   |
| <b>Version #</b>     | 02   |
| <b>HMIS® ratings</b> | Health: 3<br>Flammability: 0<br>Physical hazard: 0 |

**Disclaimer** No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product(s) or information contained in this material safety data sheet. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state or local regulations concerning the use, misuse or disposal of these products.



**Revision information**

Composition / Information on Ingredients: Ingredients  
First-aid measures: Indication of immediate medical attention and special treatment needed  
First-aid measures: Most important symptoms/effects, acute and delayed  
Fire-fighting measures: Specific hazards arising from the chemical  
Handling and storage: Precautions for safe handling  
Physical & Chemical Properties: Multiple Properties  
Stability and reactivity: Hazardous decomposition products  
Stability and reactivity: Incompatible materials  
Toxicological information: Ingestion  
Disposal considerations: Contaminated packaging