

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**Identity (as used on label and list):** Passivator L-10,  
GEL 20 and SP-30

*Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

## Section I

**Manufacturer's Name:** Kytex Solutions, Inc.

**Emergency Telephone Number:** 800 424 9300 Chemtrec

**Address (Number, Street, City, State, and Zip Code):**

3595 Zip Industrial Blvd

**Telephone Number for Information:** 404-761-0657

Atlanta GA 30354

**Date Prepared:** March 29, 2005

**Signature of Preparer (optional):**

## Section II — Hazardous Ingredients/Identity Information

| Hazardous Components (specific chemical identity; common name(s)) | OSHA PEL            | ACGIH TLV           | Other limits recommended | % (optional) |
|---|---------------------|---------------------|--------------------------|--------------|
| Nitric Acid CAS # 7697-37-2                                       | 2 ppm               | 2 ppm               |                          | < 25         |
| Phosphoric acid CAS# 7662-38-2                                    | 1 mg/m <sup>3</sup> | 1 mg/m <sup>3</sup> |                          | <35          |
|   |                     |                     |                          |              |
|   |                     |                     |                          |              |
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|   |                     |                     |                          |              |
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|   |                     |                     |                          |              |
|   |                     |                     |                          |              |

## Section III — Physical/Chemical Characteristics

|                                |          |  |           |
|--------------------------------|----------|--|-----------|
| <b>Boiling Point</b>           | > 220° F | <b>Specific Gravity (H<sub>2</sub>O = 1)</b> | 1.35-1.39 |
| <b>Vapor Pressure (mm Hg.)</b> | NA       | <b>Melting Point</b>                         | NA        |
| <b>Vapor Density (Air = 1)</b> | NA       | <b>Evaporation Rate (Butyl Acetate = 1)</b>  | > 1       |

**Solubility in Water:** Soluble

**Appearance and Odor:** Clear solution with acid odor

## Section IV — Fire and Explosion Hazard Data

|  |                          |        |        |
|--|--------------------------|--------|--------|
| <b>Flash Point (method used):</b> None | <b>Flammable Limits:</b> | LEL NA | UEL NA |
|--|--------------------------|--------|--------|

**Extinguishing Media:** Water spray, dry chemicals, foam

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus

**Unusual Fire and Explosion Hazards:** Oxides of Nitrogen

**Section V — Reactivity Data**

|           |          |   |   |
|-----------|----------|---|---|
| Stability | Unstable |   | Conditions to Avoid: Avoid contact with alkalis |
|           | Stable   | X |   |

Incompatibility (*Materials to Avoid*): Avoid contact with alkaline materials and metals such as aluminum

Hazardous Decomposition or Byproducts: Thermal decomposition may produce oxides of Nitrogen

|                          |                |   |                           |
|--------------------------|----------------|---|---------------------------|
| Hazardous Polymerization | May Occur      |   | Conditions to Avoid: None |
|                          | Will Not Occur | X |                           |

**Section VI — Health Hazard Data**

|                    |             |    |       |   |            |   |
|--------------------|-------------|----|-------|---|------------|---|
| Route(s) of Entry: | Inhalation? | -- | Skin? | X | Ingestion? | X |
|--------------------|-------------|----|-------|---|------------|---|

Health Hazards (*Acute and Chronic*): Irritation and burns on skin and eyes.

|                  |      |    |                  |    |                 |    |
|------------------|------|----|------------------|----|-----------------|----|
| Carcinogenicity: | NTP? | -- | IARC Monographs? | -- | OSHA regulated? | -- |
|------------------|------|----|------------------|----|-----------------|----|

Signs and Symptoms of Exposure: Irritation and burns on skin and eyes.

Medical Conditions Generally Aggravated by Exposure: Severe burns on skin; will react with protein in skin and will turn it yellow  
In color

**Emergency and First Aid Procedures**

Skin: Flush with plenty of water

Eyes: Flush with plenty of water and call a physician immediately.

Ingestion:

Inhalation:

**Section VII — Precautions for Safe Handling and Use**

Steps to be taken in case material is released or spilled: Collect on inert material. Flush with water.

Waste disposal method: Dilute with water. Neutralize with Sodium Hydroxide, and dispose in accordance with federal, state and local regulations.

Precautions to be taken in handling and storing: Store in cool and dry place; store away from organic materials.

Other precautions: DOT Identification: Nitric Acid Solution / Corrosive Material / UN2031 / PG: II

**Section VIII — Control Measures**

Respiratory Protection (*specify type*): Respirators approved for use with acidic products

|             |                                       |             |
|-------------|---------------------------------------|-------------|
| Ventilation | Local Exhaust: Yes                    | Special: -- |
|             | Mechanical ( <i>general</i> ): Normal | Other: --   |

Protective Gloves: Rubber gloves      Eye Protection: Goggles and face shield

Other Protective Clothing or Equipment Use chemical resistant apron

Work/Hygienic Practices: Handle all acidic products with care