

# MATERIAL SAFETY DATA SHEET

## SECTION I: MANUFACTURER & MATERIAL IDENTIFICATION

Manufacturer Kramer Industries, Inc. Emergency Phone 732-650-9599  
140 Ethel Road West  
Suite U  
Piscataway, NJ 08854-5951

Product **Kramco 820**

CAS Number Mixture

Date Prepared Revised 1/07

## SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| HAZARDOUS COMPONENTS | CAS #     | PEL (ppm) | TLV (ppm) |
|----------------------|-----------|-----------|-----------|
| Sodium Bisulfate     | 7681-38-1 | N/A       | N/A       |

## SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

|                         |                  |                                      |     |
|-------------------------|------------------|--------------------------------------|-----|
| Boiling point (°C)      | >93              | Bulk Density (lb/ft <sup>3</sup> )   | 83  |
| Vapor Pressure (mm Hg)  | N/A              | Melting Point (°F)                   | 350 |
| Vapor Density (AIR = 1) | N/A              | Evaporation Rate (Butyl Acetate = 1) | N/A |
| Solubility in Water     | Complete         |                                      |     |
| Appearance              | Off-white powder |                                      |     |
| Odor                    | None             |                                      |     |

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| Flash Point (°C)                 | None                                              |
| Flammable Limits                 | N/A                                               |
| Extinguishing Media              | CO <sub>2</sub> , Water spray, Dry chemical, Foam |
| Special Procedures               | SCBA recommended                                  |
| Unusual Fire & Explosion Hazards | None known                                        |

## SECTION V: REACTIVITY DATA

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| Stability                | Stable                                            |
| Conditions to Avoid      | None known                                        |
| Incompatibility          | Strong alkalis, chlorine bleach, ammonia cleaners |
| Hazardous Decomposition  | Will not occur                                    |
| Hazardous Polymerization | Will not occur                                    |

**SECTION VI: HEALTH HAZARD DATA**

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Routes of Exposure | Symptoms                                                            |
| Inhalation         | May irritate nose, throat and lungs                                 |
| Skin               | May cause burns if not flushed with water                           |
| Eyes               | May cause burns if not flushed with water                           |
| Ingestion          | May irritate or burn mouth, esophagus or stomach.                   |
|                    | First Aid                                                           |
| Inhalation         | Remove to fresh air                                                 |
| Skin               | Wash thoroughly with soap and water                                 |
| Eyes               | Flush with copious amounts of water for 15 minutes                  |
| Ingestion          | Do not induce vomiting; Drink water or milk; Seek medical attention |

**SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

|                    |                                                                            |
|--------------------|----------------------------------------------------------------------------|
| Spill              | Sweep up product. Neutralize balance of spill with weak alkaline material. |
| Waste Disposal     | Sweep into approved chemical waste container                               |
| Handling & Storage | No precautions required                                                    |

**SECTION VIII: CONTROL MEASURES**

|                        |                                               |
|------------------------|-----------------------------------------------|
| Respiratory Protection | None required                                 |
| Ventilation            | Local exhaust                                 |
| Protective Gloves      | Neoprene rubber gloves                        |
| Eye Protection         | Chemical splash goggles                       |
| Other Equipment        | None required                                 |
| Work/Hygiene Practices | Observe standard industrial hygiene practices |

**SECTION IX: REGULATORY STATUS**

|                 |               |
|-----------------|---------------|
| NTP             | Not listed    |
| IARC Monographs | Not listed    |
| OSHA Regulated  | Not regulated |