

**MATERIAL SAFETY DATA SHEET**

(Prepared according to 29 CFR 1910.1200)

| Section 1 – PRODUCT IDENTIFICATION   |  |  |                                    |
|--|--|--|------------------------------------|
| <b>Manufacturer:</b><br><b>Case Medical, Inc</b>   |  | <b>Information Telephone Number:</b> 201-313-1999  |                                    |
| <b>Address:</b> 19 Empire Blvd, South Hackensack NJ-07606  |  | <b>Emergency Telephone Number:</b> 1-800-424-9300 (Chemtrec) 24 Hours Every day  |                                    |
| <b>Trade Name:</b> <b>Schmutzoff Descaler</b>  |  | <b>Date Prepared:</b> 06/01/2010   |                                    |
|  |  | <b>Product Type:</b> Acid Stain & rust remover (Concentrate)   |                                    |
| Section 2— INGREDIENTS   |  |  |                                    |
| CHEMICAL NAME / COMMON NAME  | CAS NO.  | WT. %  | TLV (Source) / Title III Sect. 313 |
| Nonionic Surfactant  | Proprietary  | < 5  | None Established / No              |
| Phosphoric Acid  | 7664-38-2  | 20-30  | 1mg/M3 (TWA); 3ppm                 |
| Section 3—PHYSICAL DATA  |  |  |                                    |
| <b>Boiling Point (°F)</b>  | >212°F   | <b>Specific Gravity (H2O = 1):</b>   | 1.15 ± 0.005                       |
| <b>Vapor Pressure (mm Hg)</b>  | Not determinate  | <b>pH:</b>   | Less than 1.0 ± 0.5                |
| <b>Vapor Density (AIR = 1)</b>   | Not determinate  | <b>Solubility in water:</b>  | Complete                           |
| <b>Evaporation Rate (vs. H2O):</b> Slow      Slower      Same X  |  | <b>Appearance and Odor:</b> Clear Liquid with characteristic odor  |                                    |
| Section 4—FIRE AND EXPLOSION HAZARD DATA   |  |  |                                    |
| <b>Flash Point (T.C.C.)</b> None to Boiling  | <b>Flammable Limits</b> N/A  | Upper  | Lower                              |
| <b>Extinguishing Media:</b> Product is non combustible. Water spray (fog), dry chemical; CO2; or foam may be used where product is stored.   |  | <b>Special Fire Fighting Procedures:</b> Do not enter confined fired-spaces without protective clothing and self-contained air supply. |                                    |
| <b>Unusual Fire and Explosion Hazards:</b> None  |  |  |                                    |
| Section 5—REACTIVITY DATA  |  |  |                                    |
| <b>Stability:</b> Stable   | <b>Incompatibility (Materials to Avoid):</b> Strong bases (alkali)/oxidizers/reactive metals. Do not mix with chlorinated detergents (bleach). |  |                                    |
| <b>Hazardous Decomposition:</b> Burning may produce oxides of carbon and other substances.   |  |  |                                    |
| Section 6—HEALTH HAZARD DATA   |  |  |                                    |
| <b>Route(s) of Entry</b>   | Inhalation: No   | Skin: Yes  | Ingestion : Yes                    |
|  |  |  | Eye: Yes                           |
|  |  |  | Other :N/A                         |
| <b>Signs and Symptoms of Overexposure (Acute &amp; Chronic):</b> Corrosive to all body tissues by all routes of exposures. Contact with skin can produce burns & destroy tissues; irritation may be delayed. Contact with eyes may cause severe burns, permanents damage &possibly blindness. Harmful or fatal if swallowed-causes severe burns of mouth, throat & stomach. Inhalation of generated mists or spray can cause respiratory irritation or damage. |  |  |                                    |
| <b>Medical Condition Aggravated by Overexposure:</b> An existing dermatitis and/or a respiratory illness.  |  |  |                                    |
| <b>Carcinogenicity</b> None  | <b>NTP:</b> No   | <b>IARC Monographs :</b> No  | <b>OSHA Regulated :</b> No         |
| Section 7—EMERGENCY AND FIRST AID PROCEDURES   |  |  |                                    |
| <b>Eyes:</b> Flush with water for at least 15 min.   |  | <b>Skin:</b> Wash with large amount of soap and water. If irritation persist consult a physician                                       |                                    |
| <b>Ingestion:</b> DO NOT induce vomiting. Dilute by drinking water.  |  | <b>Inhalation:</b> Remove to fresh air.  |                                    |
| Section 8-SPECIAL PROTECTION AND INFORMATION   |  |  |                                    |
| <b>Respiratory Protection:</b> Avoid misting conditions, Use with adequate ventilation to control acid TLV.  |  |  |                                    |
| <b>Ventilation Requirements:</b> Normal X    Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other <input type="checkbox"/>   |  | <b>Eye protection:</b> GMP to wear goggles   |                                    |
| <b>Protective Gloves:</b> GMP to wear gloves, rubber or plastic  |  | <b>Other protective Clothing:</b> Protective Clothing to minimize contact  |                                    |
| Section 9—SPILL OR LEAK PROCEDURES   |  |  |                                    |
| <b>Steps to Be Taken if Material Is Released or Spilled:</b> Safely stop spill at source. Contain spill by covering with soil or other inert material. Mop, pump or absorb with inert material and reclaim into sound container for reuse, recycle or proper disposal.   |  |  |                                    |
| <b>Waste Disposal Method:</b> Observe all local and national regulation when disposing.  |  |  |                                    |
| Section 10—STORAGE AND HANDLING INFORMATION  |  |  |                                    |
| <b>WARNING:</b> Corrosive liquid. Handle all containers carefully. Store away from all oxidizers. Keep container closed when not in use. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.  |  |  |                                    |

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMS  
HAZARD  
RATING

|              |   |
|--------------|---|
| Health       | 1 |
| Flammability | 0 |
| Reactivity   | 2 |

0- LEAST  
1- SLIGHT  
2- MODERATE  
3- HIGH  
4- EXTREME