

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.  
THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)  
IMPORTANT: Read this MSDS before handling & disposing of this product.  
Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT IDENTITY: Crown Tuff-Strip Remover - Aerosol  
COMPANY IDENTITY: Packaging Service Co., Inc.  
COMPANY ADDRESS: 1904 Mykawa Road  
COMPANY CITY: PEARLAND, TX 77588-0490  
COMPANY PHONE: 1-281-485-1458  
CHEMTREC PHONE: 1-800-424-9300

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 45-60% \*METHYLENE CHLORIDE (75-09-2) PEL: TWA 25 ppm/TLV: ACGIH 50 ppm,  
0- 3% \*TOLUENE (108-88-3) PEL: TWA 100 ppm/TLV: TWA 50 ppm,  
10-20% \*METHANOL (67-56-1) PEL: 200 ppm/TLV: 200 ppm,  
1- 5% \*AQUA AMMONIA (1336-21-6) PEL: 50 ppm/TLV: 35 ppm,  
HYDROCARBON PROPELLANT (68476-86-8) PEL: 800 ppm/TLV: 800 ppm

Number in parentheses is CAS #. "\*" If present, IARC, NTP and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in this section.

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SECTION 3. PHYSICAL DATA

BOILING POINT FOR PRODUCT: N/D  
VAPOR PRESSURE FOR PRODUCT: 31 PSI @ 75F  
VAPOR DENSITY FOR PRODUCT: N/D  
SPECIFIC GRAVITY: 1.154  
V.O.C. (GRAMS PER LITER): 129 (LIQUID ONLY)  
WATER SOLUBILITY: NEGLIGIBLE

SECTION 4. FIRE AND EXPLOSION DATA

FLASH POINT (TOC): LEVEL 2 AEROSOL  
EXPLOSIVE LIMITS (PRODUCT): LOWER - N/D UPPER - N/D  
AUTOIGNITION TEMPERATURE: Not Available

EXTINGUISHING MEDIA: Fires involving this product are unlikely, but should one occur, it may be controlled by carbon dioxide, dry chemicals, or water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Pressure-demand, self-contained breathing apparatus should be provided for fire fighters in building or confined areas where product is stored. Storage containers exposed to fire should be kept cool with water spray, in order to prevent pressure build up.

UNUSUAL FIRE AND EXPLOSION HAZARD: At high temperatures, this product decomposes to give off hydrochloric acid gas plus other toxic and irritating vapors such as phosgene. If storage containers are exposed to excessive heat, over-pressurization of containers can result.

SECTION 5. HEALTH HAZARD DATA

ROUTES OF EXPOSURE:

**INHALATION:** Excessive inhalation may produce symptoms of central nervous system depression, ranging from light-headedness, nausea and vomiting, to unconsciousness and death.

**SKIN:** Mildly irritating to skin. Skin contact may produce a burning sensation—prolonged or repeated contact may cause skin to become reddened, rough, and dry due to the removal of natural oils and may result in dermatitis. May be absorbed through the skin, although not expected to produce toxicity through this route.

**EYE CONTACT:** An irritant of the eyes, causing pain, lacrimation and general inflammation.

**INGESTION:** May cause irritation of the gastrointestinal tract with vomiting. If vomiting results in aspiration, chemical pneumonia may follow. Absorption through the gastrointestinal tract may produce symptoms of central nervous system depression ranging from light-headedness to unconsciousness.

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EFFECTS OF OVEREXPOSURE:

**ACUTE:** Excessive inhalation or ingestion may produce symptoms of central nervous system depression ranging from light headedness, to unconsciousness and death. Overexposure may result in liver and kidney damage. Exposure of the eyes and skin may produce irritation. Animals exposed to high levels have shown cardiac sensitization.

**CHRONIC:** Can cause headache, mental confusion, depression, fatigue, loss of sense of balance, and visual disturbances. Prolonged or repeated skin contact may cause dermatitis.

**HYGIENE:** Avoid contact with skin and avoid breathing vapors. Do not eat, drink, or smoke in work area. Wash hands prior to eating, drinking, or using restroom.

FIRST AID:

**EYES:** Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

**SKIN:** Wash off in flowing water or shower.

**INGESTION:** Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

**NOTE TO PHYSICIAN:** Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophophageal control. Danger from lung aspiration must be weighted against toxicity when considering emptying the stomach. Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary.

State of California SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986.

**WARNING:** IN ACCORDANCE WITH PROP 65, THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM.

COMPANY IDENTITY: Packaging Service Co., Inc.  
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#### SECTION 6. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Not Applicable

HAZARDOUS POLYMERIZATION: Will not occur.

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: None  
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#### SECTION 7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:  
Clean up area by mopping or with absorbent materials and place in closed container for disposal. Consult Federal, State, and Local disposal authorities.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and Local disposal authorities for approved procedures.

#### SECTION 8. PROTECTIVE EQUIPMENT TO BE USED

EYES: Face shield and goggles or chemical goggles should be worn.

GLOVES: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.

OTHER CLOTHING EQUIPMENT: Standard work clothing. Standard work shoes; discard if shoes cannot be decontaminated. Store contaminated clothing in well-ventilated cabinets or closed containers. Wash contaminated clothing and dry before reuse.

#### MONITORING EXPOSURE:

BIOLOGICAL: No applicable procedures can be recommended.

PERSONAL/AREA: Use NIOSH ANALYTICAL METHOD NUMBER 1003 for halogenated hydrocarbons.

RESPIRATORY PROTECTION: In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

#### SECTION 9. SPECIAL PRECAUTIONS OR OTHER COMMENTS

HANDLING STORAGE AND DECONTAMINATION PROCEDURES: When utilizing pressurized containers follow standard safety practices for handling aerosols.

GENERAL COMMENTS: Do not store at temperatures above 120 degree F. Odor is not an adequate warning of potentially hazardous concentrations in air. Releases of these gases may cause a flammable atmosphere with explosion potential.

PRECAUTIONARY STATEMENTS: Please read and follow the directions on the product label. They are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.