PACKAGING SERVICE CO., INC.  
PRODUCT IDENTITY: CROWN LIQUID SANDER DEGLOSER
NEW MSDS DATE: 12/29/2000
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 LIQUID SANDER DEGLOSER
COMPANY IDENTITY: PACKAGING SERVICE CO., INC.
COMPANY ADDRESS: 1904 MYKAKA ROAD / P O Box 875
COMPANY CITY: PEARLAND, TX 77581
COMPANY PHONE: 1-281-485-1458
CHEMNETIC PHONE: 1-800-424-9300

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS
CONTAINS:
25-35% VM&P NAPTHA (*64742-89-8),
20-30% MEDIUM ALIPHATIC SOLVENT NAPTHA (*64742-88-7),
10-20% TOLUENE (108-88-3) [203-625-9],
10-20% ACETONE (67-64-1) [200-662-2],
0-10% ISOPROPA NOL (67-63-0) [200-661-7],
0-10% ETHYLENE GLYCOL BUTYL ETHER (111-76-2) [203-905-0],
0-5 METHANOL (67-56-1) [200-659-6],
0-5% MIXED XYLENES (1330-20-7) [215-535-7]
Number in parentheses is CAS #, number in brackets is European EC #.

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SECTION 3. HAZARDS IDENTIFICATION
RISK STATEMENTS:
R12 Extremely Flammable.
R18 In use, may form flammable/explosive vapor-air mixture.
R41 Risk of serious damage to eyes.
R65 Harmful: may cause lung damage if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R39/25 Toxic: danger of very serious irreversible effects if swallowed.
R20/65 Harmful by inhalation, may cause lung damage if swallowed.

SAFETY STATEMENTS:
S7 Keep container tightly closed.
S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition. No smoking.
S29 Do not empty into drains.
S45 In case of accident, or if you feel unwell, seek medical advice immediately. (Show the label where possible).
S53 Avoid exposure - Obtain special instructions before use.
S24/25 Avoid contact with skin and eyes.
SECTION 4. FIRST AID MEASURES

EYE CONTACT:
For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:
In case of contact with skin immediately remove contaminated clothing.
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

INHALATION:
After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. CALL A PHYSICIAN immediately!

SWALLOWING:
If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm. Vomiting may lead to pneumonitis, which may be fatal.

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SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:
NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES:
Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.
Do not enter confined fire-space without full bunker gear.
(Helmet with face shield, bunker coats, gloves & rubber boots)
Use NON approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES:
EXTREMELY FLAMMABLE! VAPORS CAN CAUSE FLAME FIRE
Keep container tightly closed.
Isolate from oxidizers, heat, sparks, electric equipment & open flame.
Closed containers may explode if exposed to extreme heat.
Applying to hot surfaces requires special precautions.
Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES:
Stop spill at source. Dike area & contain.

 CLEAN-UP PROCEDURES:
Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.
OTHER PRECAUTIONS:
Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during uses until all vapors are gone.
SECTION 7. HANDLING AND STORAGE

HANDLING:
Isolate from oxidizers, heat, sparks, electric equipment & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame out, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

STORAGE:
Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone. Do not store above 40 C/104 F. Store large amounts in structures made for OSHA Class 1 B liquids. Keep container tightly closed & upright when not in use to prevent leakage.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:
Use vapor, mist gas mask within use limits, or ventilate to keep vapors of this material below 50 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult safety equipment Supplier. Use explosion-proof equipment.

VENTILATION:
LOCAL EXHAUST: Necessary
MECHANICAL (GENERAL): Acceptable
SPECIAL: None
OTHER: None

PERSONAL PROTECTIONS:
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:
Provide readily accessible eye wash stations & safety showers. Wash at end of each workshift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.
APPEARANCE: Liquid, Water-White

ODOR: Ketone

BOILING RANGE: 60 127 197° C / 140 262 388° F (±End Point)

AUTO IGNITION TEMPERATURE: 276° C / 530° F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.6

FLASH POINT (TEST METHOD): -16 C / 2° F (TCC)

FLAMMABILITY CLASSIFICATION: Class I B

GRAVITY ® 60 F:

SPECIFIC GRAVITY (Water=1):

POUNDS/GALLON:

VOC'S (<0.44 Lbs/Eq In):

TOTAL VOC'S (TVOC):

VOC'S EXEMPT (CVC):

Hazardous AIR POLLUTANTS (HAPS):

VAPOR PRESSURE (mm of Hg)@20° C

VAPOR DENSITY (air=1):

WATER ABSORPTION:

Stable

CONDITIONS TO AVOID: Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID: Isolate from strong oxidizers such as peroxanates, chromates & peroxides.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide from burning.

Hazardous Polymerization: Will not occur.

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Material | CAS # | TWA (OSHA) | TLV (ACGIH) | HAP
--- | --- | --- | --- | ---
Light Aliphatic Solvent Naphtha | 84472-89-8 | 500 ppm | 100 ppm | No
Medium Aliphatic Solvent Naphtha | 84472-88-7 | 500 ppm | 100 ppm | No
Toluene | 108-88-3 | 200 ppm | 50 ppm A4 Yes
Aceton | 67-64-1 | 1000 ppm | 506 ppm A4 No
Isopropanol | 67-63-0 | 400 ppm | 200 ppm A4 No
Ethylene Glycol Butyl Ether | 111-76-2 | 50 ppm S | 20 ppm S Yes
Methanol | 67-56-1 | 200 ppm S | 200 ppm S Yes
Mixed Xylenes | 1330-20-7 | 100 ppm | 100 ppm A4 Yes

In addition to EPA Hazardous Air Pollutants showing 'Yes' under 'HAP' above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):

Benzene, Cumene, (Polycyclic Aromatics)
SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

**MATERIAL** | **CAS #** | **CEILING** | **STEL (OSHA/ACGIH)**
---|---|---|---
Light Aliphatic Solvent Naphtha | *64742-89-8* | None Known | 5.383 ppm
Acetone | 67-64-1 | None Known | 750 ppm
Isopropanol | 67-63-0 | None Known | 460 ppm
Methanol | 67-56-1 | None Known | 250 ppm
Mixed Xylenes | 1330-20-7 | None Known | 150 ppm

**ACUTE HAZARDS**

**EYES & SKIN CONTACT:**
Primary irritation to skin, defatting, dermatitis.
Absorption thru skin increases exposure.
Primary irritation to eyes, redness, tearing, blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

**INHALATION:**
Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.
Breathing vapor can cause irritation.
Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

**SWALLOWING:**
Harmful or fatal if swallowed.
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

**SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED**
Persons with severe skin, liver or kidney problems should avoid use.

**CHRONIC HAZARDS**

Cancer, Reproductive & Other Chronic Hazards:
Liver tumors have been reported in laboratory mice.
Leukemia been reported in humans from Benzene.
This product may contain less than 84 ppm of Benzene.
Not considered hazardous in such low concentrations.
Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.
SECTION 12. ECOLOGICAL INFORMATION

MAMMALIAN INFORMATION:

Ethylene Glycol Butyl Ether

CAS #: 111-76-2

LOWEST KNOWN LETHAL DOSE DATA

DOSAGE: 320.0 mg/kg (Rabbits)

AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is: Goldfish. 250 ppm or mg/L (24 hour exposure).

Keep out of severs and natural water supplies.

MOBILITY: This material is a mobile liquid.

DEGRADABILITY: This product is partially biodegradable.

ACCUMULATION: This product does not accumulate or biomagnify in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws.

If questions exist, contact the appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: Paint Related Material (Contains: Toluene, Mixed Xylenes), 3, UN1263, PO-II

"RQ." must be put before shipping name if in a container of over 1000 pounds.

DRUM LABEL: (FLAMMABLE LIQUID)

IND / IMDG: Paint Related Material (Contains: Toluene, Mixed Xylenes), 3, UN1263, PO-II

Emergency Response Guidebook Number: 128

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SECTION 15. REGULATORY INFORMATION

SARA SECTION 311/313 HAZARDS: Acute Health, Chronic Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated "x" toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.
SARA TITLE III INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>WT.% (REG. SECTION)</th>
<th>EQ (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Aliphatic Solvent Naphtha</td>
<td>*64742-39-8</td>
<td>&lt;30 (311,312)</td>
</tr>
<tr>
<td>Medium Aliphatic Solvent Naphtha</td>
<td>*64742-88-7</td>
<td>&lt;30 (311,312)</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>&lt;20 (311,312,313,RCRA)</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>&lt;20 (311,312)</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>&lt;10 (311,312)</td>
</tr>
<tr>
<td>Ethylene Glycol Butyl Ether</td>
<td>111-76-2</td>
<td>&lt;10 (313)</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>&lt;3 (311,312,313,RCRA)</td>
</tr>
<tr>
<td>*Mixed Xylenes</td>
<td>1330-20-7</td>
<td>&lt;3 (311,312,313,RCRA)</td>
</tr>
</tbody>
</table>

IF > 3333 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "EQ" OF XYLENES IS EXCEEDED.

STATE REGULATIONS:
CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the State of California to cause reproductive toxicity: Toluene

INTERNATIONAL REGULATIONS:
The components of this product are listed on the chemical inventories of the following countries: Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

SECTION 16. OTHER INFORMATION

This information is intended solely for the use of individuals trained in the NTP & IATA hazard rating systems.

EMPLOYEE TRAINING:
Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

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