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COMPANY IDENTITY: PACKAGING SERVICE CO., INC.  
PRODUCT IDENTITY: CROWN TURPENTINE

01010-1007  
- 1009

DATE: 11/03/95  
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-06

MATERIAL SAFETY DATA SHEET

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. CHEMICAL PRODUCT & COMPANY IDENTIFICATION / HAZARD RATINGS

PRODUCT IDENTITY: CROWN TURPENTINE  
COMPANY IDENTITY: PACKAGING SERVICE CO., INC.  
COMPANY ADDRESS: 4702 SHANK ROAD  
COMPANY CITY: PEARLAND, TX 77588-8875  
COMPANY PHONE: 1-713-485-1457  
CHEMTREC PHONE: 1-800-424-9300

HAZARD RATINGS:  
HEALTH (NFPA): 0  
HEALTH (HMIS): 1  
FLAMMABILITY: 3  
REACTIVITY: 0

TURP01

SECTION 2. INGREDIENT & REGULATORY INFORMATION

All components of this product are on the TSCA list.

This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ(LBS)	
Turpentine	*8006-64-2	Not Appl. (311,312)	None	
SARA SECTION 311/312 HAZARDS: Acute Health, Fire				
MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Turpentine	*8006-64-2	100 ppm	100 ppm	No
This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.				
MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)	
		None Known	None Known	

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## SECTION 2. INGREDIENT &amp; REGULATORY INFORMATION (CONTINUED)

CALIFORNIA PROPOSITION 65: This product contains no known chemicals known to the State of California to cause cancer or reproductive toxicity.

DOT SHIPPING NAME: Turpentine,3,UN1299,PG-III

DRUM LABEL: (FLAMMABLE LIQUID)

TURP01 SECTION 3. HAZARDS IDENTIFICATION

THRESHOLD LIMIT VALUE: 100 ppm (Freshly Prepared)

CONTAINS: TURPENTINE

WARNING!  
FLAMMABLE!!  
ACUTE HAZARDS

## EYE &amp; SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.

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.

## SWALLOWING:

Harmful or fatal if swallowed.

Swallowing can cause abdominal irritation, nausea, vomiting &amp; diarrhea.

## SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

## CONDITIONS AGGRAVATED

Persons with severe skin, liver or kidney problems should avoid use.

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SECTION 3. HAZARDS IDENTIFICATION(CONTINUED)

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC,NTP,NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

SECTION 4. FIRST AID MEASURES PROCEDURES

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.

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.

TURP01 SECTION 5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE : 237 C / 460 F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.0

FLASH POINT (TEST METHOD): 34 C / 94 F (TCC)

FLAMMABILITY CLASSIFICATION: Class I C

EXTINGUISHING MEDIA

NFPA Class B extinguishers(Carbon Dioxide or foam)for Class I C 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 NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

FLAMMABLE!!

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!

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

## SPILL OR LEAK PROCEDURES

Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

## WASTE DISPOSAL METHOD

Recycle or dispose of observing local, state & Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.

## 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. Avoid prolonged or repeated contact with skin. 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 cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

## STORAGE

Store large amounts in structures made for OSHA Class I C 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

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.

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## SECTION 9. PHYSICAL DATA

APPEARANCE : Liquid, Water-White  
 ODOR : Terpene  
 BOILING RANGE : 156 157 162 C / 313 316 324 F  
 GRAVITY @ 60 F :  
 API : 32.7  
 SPECIFIC GRAVITY (Water=1) : .862  
 POUNDS/GALLON : 7.180  
 VOC'S (>0.44 Lbs/Sq In) : 0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal  
 TOTAL VOC'S (TVOC) : 100.0 Vol. % / 862.0 g/L / 7.180 Lbs/Gal  
 NONEXEMPT VOC'S (CVOC) : 100.0 Vol. % / 862.0 g/L / 7.180 Lbs/Gal  
 VAPOR PRESSURE (mm of Hg)@20 C 1.0  
 NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) 1.0  
 VAPOR DENSITY (air=1) : 5.0  
 WATER ABSORPTION : Negligible  
 % VOLATILE BY VOL : 100.0  
 REFRACTIVE INDEX : 1.472

## SECTION 10. REACTIVITY DATA

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STABILITY

Stable

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment &amp; open flame.

MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates &amp; peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

## NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.