

COMPANY IDENTITY: Packaging Service Co., Inc.  
PRODUCT IDENTITY: CROWN INDUSTRIAL SERIES LOW ODOR MINERAL SPIRITS  
SDS NUMBER: LODRMS

DATE: 07/06/11  
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## SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.

THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this SDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: CROWN INDUSTRIAL SERIES LOW ODOR MINERAL SPIRITS - THINNER  
REVISION DATE: 07/06/2011 SUPERCEDES: 11/17/2008  
COMPANY IDENTITY: Packaging Service Co., Inc.  
COMPANY ADDRESS: 1904 Mykawa Road / P O Box 875  
COMPANY CITY: Pearland, TX 77581  
COMPANY PHONE: 1-281-485-1458  
EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)  
CANUTEC: 1-613-996-6666 (CANADA)

### SECTION 2. HAZARDS IDENTIFICATION

#### WARNING!



#### RISK STATEMENTS:

R36/37/38 Irritating to eyes, respiratory system and skin.  
R20/65 Harmful by inhalation, may cause lung damage if swallowed.  
R10a Combustible (North America). Flammable (elsewhere).

#### SAFETY STATEMENTS:

S2 Keep out of the reach of children.  
S23 Do not breathe gas, fumes, vapor, or spray.  
S24 Avoid contact with skin.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT %
Medium Aliphatic Naphtha	*64742-88-7	-	90-100
1,2,4-Trimethylbenzene	95-63-6	202-436-9	0- 5

### 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, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

#### SWALLOWING:

Rinse mouth. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.  
Do NOT give liquids to an unconscious or convulsing person.

### SECTION 5. FIRE FIGHTING MEASURES

#### FIRE & EXPLOSION PREVENTIVE MEASURES

NO open flames, NO sparks, & NO smoking. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting.

#### EXTINGUISHING MEDIA

Use dry powder, AFFF, carbon dioxide.

#### 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.

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#### SECTION 5. FIRE FIGHTING MEASURES (CONTINUED)

##### UNUSUAL EXPLOSION AND FIRE PROCEDURES

COMBUSTIBLE!

Isolate from oxidizers, heat, & 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

##### PERSONAL PROTECTIVE MEASURES:

Keep unprotected personnel away.  
Ventilate spill area. Remove all ignition sources.  
Filter respirator for organic vapors.

##### ENVIRONMENTAL PRECAUTIONS:

Do NOT let this chemical enter the environment.  
Keep from entering storm sewers and ditches which lead to waterways.

##### CONTAINMENT AND CLEAN-UP MEASURES:

Stop spill at source. Dike and contain.  
Absorb remaining liquid in sand or inert absorbent.

#### SECTION 7. HANDLING AND STORAGE

##### HANDLING

Isolate from oxidizers, heat, & open flame.  
Use only with adequate ventilation. Avoid breathing of vapor or spray mist.  
Avoid contact with skin & eyes.  
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.  
Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions!  
To minimize static discharge when transferring, ensure electrical continuity by bonding and grounding all equipment. Use an inlet line diameter of at least 3.5 inches (8.9 centimeters) with a maximum flow rate of 1 meter/second.

##### STORAGE

Isolate from strong oxidants. Do not store above 49 C/120 F.  
Keep container tightly closed & upright when not in use to prevent leakage.

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#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Medium Aliphatic Naphtha	*64742-88-7	-	500 ppm	100 ppm
1,2,4-Trimethylbenzene	95-63-6	202-436-9	25 ppm	25 ppm

MATERIAL	CAS#	EINECS#	CEILING	STEL(OSHA/ACGIH)	HAP
1,2,4-Trimethylbenzene	95-63-6	202-436-9	None Known	None Known	Yes

In addition, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):  
Polycyclic Aromatics

#### RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

#### VENTILATION

LOCAL EXHAUST: Necessary                      MECHANICAL (GENERAL): Acceptable  
SPECIAL:                      None                      OTHER:                      None  
Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

#### PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to 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.

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## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Liquid, Water-White
ODOR:	Mild
ODOR THRESHOLD:	Not Available
pH (Neutrality):	Not Applicable
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	154 163 181 C / 310 326 358 F
FLASH POINT (TEST METHOD):	40 C / 104 F (TCC)
EVAPORATION RATE (n-BUTYL ACETATE=1):	0.352
FLAMMABILITY CLASSIFICATION:	Class II
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	1.0
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	1.3
VAPOR DENSITY (air=1):	4.7
GRAVITY @ 68/68 F / 20/20 C:	
SPECIFIC GRAVITY (Water=1):	0.771
POUNDS/GALLON:	6.422
WATER SOLUBILITY:	Negligible
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	278 C / 533 F
DECOMPOSITION TEMPERATURE:	Not Available
REFRACTIVE INDEX:	1.429
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% / 771.0 g/L / 6.4 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	100.0 Vol% / 771.0 g/L / 6.4 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	3.0 Wt% / 25.5 g/L / .2 Lbs/Gal
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	1.3

\* Using California South Coast Air Quality Management District (SCAQMD) Rule 443.1.

## SECTION 10. STABILITY & REACTIVITY

### STABILITY

Stable under normal conditions.

### CONDITIONS TO AVOID

Isolate from oxidizers, heat, & open flame.

### MATERIALS TO AVOID

Reacts with strong oxidants, causing fire & explosion hazard.

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

### HAZARDOUS POLYMERIZATION

Will not occur.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### ACUTE HAZARDS

#### EYE & 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 & diarrhea.  
The symptoms of chemical pneumonitis may not show up for a few days.

### SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

#### CONDITIONS AGGRAVATED

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

### CHRONIC HAZARDS

#### CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

Lung tumors have been reported in laboratory mice.  
Leukemia been reported in humans from Benzene.  
This product contains less than 1 ppm of Benzene.  
Not considered hazardous in such low concentrations.  
Absorption thru skin may be harmful.

### MAMMALIAN TOXICITY INFORMATION

No mammalian information is available on this product.

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## SECTION 12. ECOLOGICAL INFORMATION

### AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is:  
Fish are adversely affected by components of this product.  
Environmental effects of the substance have not been investigated adequately.

### MOBILITY IN SOIL

This material is a mobile liquid.

### DEGRADABILITY

This product is nonbiodegradable.

### ACCUMULATION

This product does not accumulate or biomagnify in the environment.

## SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options.  
Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

## SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: BULK: UN1268, Petroleum Distillates, n.o.s.  
, Combustible liquid, PG-III  
Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons.  
DRUM LABEL: None (Combustible Liquid)  
IATA / ICAO: UN1268, Petroleum Distillates, n.o.s., 3, PG-III  
IMO / IMDG: UN1268, Petroleum Distillates, n.o.s., 3, PG-III  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

## SECTION 15. REGULATORY INFORMATION



### EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

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%.

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## SECTION 15. REGULATORY INFORMATION (CONTINUED)

### INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL, NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

### CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

B3: Combustible Liquid.

D2B: Irritating to skin / eyes.

## SECTION 16. OTHER INFORMATION

### HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 2, REACTIVITY: 0  
(Personal Protection Rating to be supplied by user based on use conditions.)

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

### EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

### 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 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.

Unless updated, the Safety Data Sheet is valid until 07/06/2014.