

**COMPANY IDENTITY:** PACKAGING SERVICE CO., INC.  
**PRODUCT IDENTITY:** CROWN WINDSHIELD WASHER SUMMER  
**NEW MSDS DATE:** 11/12/2008

**DATE:** 11/12/08  
**PAGE 1 OF 1**  
**SUPERCEDES:** 12/29/2000

## MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1, using the International Chemical Safety Cards of the Global Harmonizing System. 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 WINDSHIELD WASHER SUMMER  
**COMPANY IDENTITY:** PACKAGING SERVICE CO., INC.  
**COMPANY ADDRESS:** 1904 MYKAWA ROAD  
**COMPANY CITY:** PEARLAND, TX 77581  
**COMPANY PHONE:** 1-281-485-1458  
**CHEMTREC PHONE:** 1-800-424-9300

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

**CONTAINS:**

85-95% WATER (7732-18-5)  
10% METHANOL (67-56-1)[200-659-6]

Number in parentheses is CAS #, number in brackets is European EC #

CWSW02

### SECTION 3. HAZARDS IDENTIFICATION

EXPOSURE PREVENTION: AVOID EXPOSURE OF ADOLESCENTS, CHILDREN!

**RISK STATEMENTS:**

R36/37/38 Irritating to eyes, respiratory system and skin.  
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
R41 Risk of serious damage to eyes.

**SAFETY STATEMENTS:**

S7 Keep container tightly closed.  
S16 Keep away from sources of ignition. No smoking.  
S24 Avoid contact with skin.  
S45 In case of accident, or if you feel unwell, seek medical advice immediately. (Show the label where possible).

### 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:** Induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. If no medical personnel are available & patient is conscious, ingestion of an alcoholic beverage may prevent blindness, death. Do NOT induce vomiting to an unconscious or convulsing person.

CWSW02

### SECTION 5. FIRE FIGHTING MEASURES

**FIRE & EXPLOSION PREVENTIVE MEASURES:** NO open flames. explosion-proof electrical equipment, lighting.

**EXTINGUISHING MEDIA:** Use dry powder, alcohol-resistant foam, water in large amounts, 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.

**COMPANY IDENTITY:** PACKAGING SERVICE CO., INC.  
**PRODUCT IDENTITY:** CROWN WINDSHIELD WASHER SUMMER  
**NEW MSDS DATE:** 11/12/2008

**DATE:** 11/12/08  
**PAGE 2 OF 2**  
**SUPERCEDES:** 12/29/2000

**UNUSUAL EXPLOSION AND FIRE PROCEDURES:** COMBUSTIBLE! Keep container tightly closed. 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:** EVACUATE DANGER AREA! Consult an expert! Keep unprotected personnel away. Use complete chemical protective suit with self-contained breathing apparatus.

**CONTAINMENT AND CLEAN-UP MEASURES:** Stop spill at source. Dike and contain. Collect leaking liquid in sealable containers. Wash away remainder with plenty of water.

#### 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 gloves, apron & footwear impervious to this 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!

**STORAGE:** Keep in fireproof surroundings. Keep separated from strong oxidants, food & feedstuffs. Keep cool. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

CWSW02

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

**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 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.

#### SECTION 9. PHYSICAL DATA

APPEARANCE :	Liquid, Water-White
ODOR :	Alcohol
BOILING RANGE :	63 98 100 C / 147 209 212 F
AUTO IGNITION TEMPERATURE :	463 C / 867 F (Lowest Component)
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	7.3 (Lowest Component)
FLASH POINT (TEST METHOD):	No Flash to Boiling Point
FLAMMABILITY CLASSIFICATION:	Class IIIA
GRAVITY @ 68/68 F / 20/20 C :	
API :	12.4
SPECIFIC GRAVITY (Water=1) :	0.983
POUNDS/GALLON :	8.191
VOC'S (>0.44 Lbs/Sq In) :	6.4 Wt. % / 63.4 g/L / 0.527 Lbs/Gal
TOTAL VOC'S (TVOC) :	8.0 Vol. % / 63.4 g/L / 0.527 Lbs/Gal
NONEXEMPT VOC'S (CVOC) :	8.0 Vol. % / 63.4 g/L / 0.527 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS) :	6.4 Wt. % / 63.4 g/L / 0.527 Lbs/Gal
VAPOR PRESSURE (mm of Hg)@20 C	20.5
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	3.6

**COMPANY IDENTITY:** PACKAGING SERVICE CO., INC.  
**PRODUCT IDENTITY:** CROWN WINDSHIELD WASHER SUMMER  
**NEW MSDS DATE:** 11/12/2008

**DATE:** 11/12/08  
**PAGE 3 OF 3**  
**SUPERCEDES:** 12/29/2000

VAPOR DENSITY (air=1) : 0.6  
WATER ABSORPTION : Complete  
REFRACTIVE INDEX : 1.333

#### SECTION 10. STABILITY & REACTIVITY

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Isolate from oxidizers, heat, & open flame.

**MATERIALS TO AVOID:** Reacts violently with strong oxidants, causing fire & explosion hazard.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide from burning.

**HAZARDOUS POLYMERIZATION:** Will not occur.

CWSW02

#### SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Water	7732-18-5	None Known	None Known	No
Methanol	67-56-1	200 ppm S	200 ppm S	Yes

Each component showing 'Yes' under "HAP" is an EPA Hazardous Air Pollutant.

MATERIAL	CAS #	CEILING	STEL(OSHA/ACGIH)
Methanol	67-56-1	None Known	250 ppm

#### 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. Breathing vapor can cause irritation. Acute overexposure can cause harm to kidneys, blood, nerves, liver, lungs. Repeated exposure over TLV can cause blindness.

**SWALLOWING:** Can be fatal or cause blindness if swallowed. Cannot be made non-poisonous. POISON! Can cause irreversible nervous system damage & death. Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

#### SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

**CONDITIONS AGGRAVATED:** Chronic overexposure can cause harm to kidneys, blood, nerves, liver, lungs. Persons with severe skin, liver or kidney problems should avoid use.

#### 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%. Depending on degree of exposure, periodic medical examination is indicated.

#### SECTION 12. ECOLOGICAL INFORMATION

##### MAMMALIAN INFORMATION:

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
Methanol	67-56-1	LOWEST KNOWN LD50 (ORAL) 1000.0 mg/kg (Man)
Methanol	67-56-1	LOWEST KNOWN LD50 (SKIN) 20000.0 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 sewers and natural water supplies.

**MOBILITY:** This material is a mobile liquid.

**DEGRADABILITY:** This product is completely biodegradable.

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

**COMPANY IDENTITY:** PACKAGING SERVICE CO., INC.  
**PRODUCT IDENTITY:** CROWN WINDSHIELD WASHER SUMMER  
**NEW MSDS DATE:** 11/12/2008

**DATE:** 11/12/08  
**PAGE 4 OF 4**  
**SUPERCEDES:** 12/29/2000

### 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

IF CONTAINER HAS > PRODUCT RQ (SEE SECTION 15) PUT "RQ," BEFORE SHIPPING NAME.

DOT SHIPPING NAME: BULK: UN1230, Methanol solution, Combustible liquid, PG-III  
Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons.  
DRUM LABEL: None (Combustible Liquid)  
IATA / ICAO: BULK: RQ, Environmentally hazardous substances, liquid, n.o.s.  
IMO / IMDG: BULK: RQ, Environmentally hazardous substances, liquid, n.o.s.  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

CWSW02

### SECTION 15. REGULATORY INFORMATION

**EPA REGULATION:** SARA SECTION 311/312 HAZARDS: Acute Health, Fire

All components of this product are on the TSCA list. SARA Title III Section 313 Supplier Notification This product contains the indicated <\*> 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.

<b>SARA TITLE III INGREDIENTS:</b>	<b>CAS#</b>	<b>WT. % (REG. SECTION)</b>	<b>RQ(LBS)</b>
*Methanol	67-56-1	<10 (311,312,313,RCRA)	5000

> 62500 LB / 28409 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF METHANOL.

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

**STATE REGULATIONS:** THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

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

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

### SECTION 16. OTHER INFORMATION

#### HAZARD RATINGS:

HEALTH (NFPA): 1 HEALTH (HMIS): 3 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 3 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this MSDS) 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 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. Unless updated, this Material Safety Data Sheet is valid until 11/12/2011.