

COMPANY IDENTITY: PACKAGING SERVICE CO., INC.
PRODUCT IDENTITY: CROWN BRUSH CLEANER NEXT
NEW MSDS DATE: 06/26/2008

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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 BRUSH CLEANER NEXT
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:

15-25% MEDIUM ALIPHATIC SOLVENT NAPHTHA (*64742-88-7)
Proprietary soy-based mixture

Specific chemical identities will be made available to medical professionals and others as required by 29 CFR 1910.1200 (i)(iv).

Number in parentheses is CAS #, number in brackets is European EC #. This product has a mixture of n- and iso- paraffins, aromatic hydrocarbons, & naphthenes. Depending on the raw material & production processes, the composition & physical properties of this solvent can vary considerably. The contents of benzene is much less than 0.1% by volume.

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SECTION 3. HAZARDS IDENTIFICATION

EXPOSURE PREVENTION: STRICT HYGIENE!

RISK STATEMENTS:

R36/37/38 Irritating to eyes, respiratory system and skin.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R22 Harmful if swallowed.
R43 May cause sensitization by skin contact.
R65 Harmful: may cause lung damage if swallowed.

SAFETY STATEMENTS:

S2 Keep out of the reach of children.
S23 Do not breathe gas, fumes, vapor, or spray.
S24 Avoid contact with skin.
S37 Wear suitable gloves.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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

NOT COMBUSTIBLE IN NORMAL USE. MAY FORM A COMBUSTIBLE LAYER ON SEPARATION.

EXTINGUISHING MEDIA: Use dry powder, AFFF, alcohol-resistant foam, water spray, 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.

UNUSUAL EXPLOSION AND FIRE PROCEDURES: Non-flammable emulsion.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

CONTAINMENT AND CLEAN-UP MEASURES: Stop spill at source. Dike and contain. Absorb remaining liquid in sand or inert absorbent. Remove to safe place. Do NOT wash away into sewer. Do NOT let this chemical enter the environment.

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. Store in an area without a drain or sewer access. 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:

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 :	Ester
BOILING RANGE :	101 120 225* C / 214 249 437* F (*=End Point)
AUTO IGNITION TEMPERATURE :	260 C / 500 F (Lowest Component)
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	0.9 (Lowest Component)
FLASH POINT (TEST METHOD):	NO FLASH TO BOIL
GRAVITY @ 68/68 F / 20/20 C :	
API :	13.9
SPECIFIC GRAVITY (Water=1) :	0.973

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POUNDS/GALLON :	8.109
VOC'S (>0.44 Lbs/Sq In) :	0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC) :	35.8 Vol. % / 331.7 g/L / 2.763 Lbs/Gal
NONEXEMPT VOC'S (CVOC) :	16.3 Vol. % / 128.5 g/L / 1.069 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS) :	0.0 Wt. % / 0.0 g/L / 0.000 Lbs/Gal
VAPOR PRESSURE (mm of Hg)@20 C	16.5
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	0.0
VAPOR DENSITY (air=1) :	0.9
WATER ABSORPTION :	Appreciable
REFRACTIVE INDEX :	1.369

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

MATERIAL	CAS #	TWA (OSHA)	LV (ACGIH)	HAP
Medium Aliphatic Solvent Naphtha	*64742-88-7	5 mg/m ³	5 mg/m ³	No
d-Limonene	5989-27-5	None Known	50 ppm	No

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%. Using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Cumene, Polycyclic Aromatics

MATERIAL	CAS #	CEILING	STEL(OSHA/ACGIH)
		None Known	None Known

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: 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.

SECTION 12. ECOLOGICAL INFORMATION

MAMMALIAN INFORMATION: No mammalian information is available on this product.

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AQUATIC ANIMAL INFORMATION: No aquatic environmental information is available on this product. The substance is very toxic to aquatic organisms. Bioaccumulation of this chemical may occur in aquatic animals. Environmental effects of the substance have not been investigated adequately.

MOBILITY: This material is a mobile liquid.

DEGRADABILITY: This product is partially biodegradable.

ACCUMULATION: Bioaccumulation of this product has not been determined.

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: NA1993, Compounds, Cleaning Liquid (Medium Aliphatic Solvent Naphtha), PG-III
Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons.
DRUM LABEL: None

EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

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SECTION 15. REGULATORY INFORMATION

EPA REGULATION: SARA SECTION 311/312 HAZARDS: Acute Health, Fire. All components of this product are on the TSCA list.

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

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): 2 HEALTH (HMIS): 2 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 06/26/2011.