

MATERIAL SAFETY DATA SHEET

Name: **Zaal 15% Pine Cleaner P-2**

SECTION 1 PRODUCT IDENTIFICATION AND USE

Supplier: Gemini Packaging Ltd
150 - 12071 Jacobson Way
Richmond, BC
Canada V6W 1L5

Manufacturer: Gemini Packaging Ltd

Product Use: General Cleaning

SECTION 2 HAZARDOUS INGREDIENTS

Name:	%	CAS #	LD50
Ethyl alcohol	10.0 - 15.0	64-17-5	7060 mg/kg rat/oral
Sodium hydroxide	0.5 - 2.0	1310-73-2	1350 mg/kg rabbit/dermal
Pine oil	15.0 - 15.5	80020 - 09 - 3	500 mg/kg rat/oral

SECTION 3 PHYSICAL DATA

Physical State.....	Homogeneous liquid
Odor & Appearance.....	Pine/Honey
Boiling Point.....	100 C
Specific Gravity.....	0.975
pH.....	9.0 - 10.2

SECTION 4 FIRE & EXPLOSION DATA

Flammability.....	N/A
Flash Point.....	N/A
Extinguishing Agents.....	N/A

SECTION 5 REACTIVITY DATA

Chemical Stability.....	Stable
Reactivity.....	N/A
Hazardous decomposition products.....	N/A

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SECTION 6 TOXICOLOGICAL PROPERTIES

Effects of Exposure:

Skin Contact.....	Possible mild irritation
Eye Contact.....	May cause irritation
Ingestion.....	May cause nausea and burns to mouth and throat
Inhalation.....	May cause light headedness

SECTION 7 PREVENTATIVE MEASURES

Personal.....	Rubber gloves
Engineering controls.....	Use in vented areas
Leak & Spill procedure.....	Pick up spill with absorbent, flush with water
Waste Disposal.....	Dispose of in approved manner
Handling Procedures.....	None
Storage requirements.....	Do not freeze
Shipping information.....	TDG Rules and Regulations

SECTION 8 FIRST AID

In case of overexposure with:

Skin.....	Rinse well with water
Eyes.....	Rinse well with water; If irritation persists, see doctor
Ingestion.....	If conscious administer water; see doctor
Inhalation.....	Fresh air required

SECTION 9 PREPARATION DATE OF MSDS

Prepared by.....	Gemini Packaging Ltd
Telephone.....	(604) 278-3455
Preparation Date.....	Dec. 31, 2003
Revision: 00, reviewed & issued	Dec. 7, 2005