

# MATERIAL SAFETY DATA SHEET

ECP INCORPORATED  
11210 KATHERINE'S CROSSING, SUITE 100  
WOODRIDGE, IL 60517  
TELEPHONE 630-754-4200  
EMERGENCY 800-424-9300

HMIS HAZARD RATING	
HEALTH	2
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	C

DATE OF PREPARATION  
DECEMBER 9, 2004  
BY TECHNICAL SERVICES

DATE OF REVIEW/UPDATE  
FEBRUARY 11, 2008

## SECTION 1 - PRODUCT IDENTIFICATION

ITEM NUMBER

**5747**

PRODUCT NAME

**TECHNICIAN'S CHOICE TEC529 BUG A BOO HARD SURFACE CLEANER**

PRODUCT CLASS

INDUSTRIAL CLEANER

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT CAS NUMBER	MAX. % BY WT.	TLV <sup>1</sup>	PEL <sup>2</sup>
ALCOHOL ETHOXYSULFATE 68585-34-2	<2	unknown	unknown
MONOETHANOL AMINE 141-43-5	<2	3ppm	3ppm
N BUTYL ETHER 29911-28-2	<2	100ppm	100ppm
MONOMETHYL ETHER 34590-94-8	<5	100ppm skin	100ppm skin
ISOPROPANOL 67-63-0	<4	400ppm	400ppm

Listed as IARC, NTP, or OSHA Carcinogen: None

## SECTION 3 - PHYSICAL CHARACTERISTICS

BOILING POINT:	212 F
VAPOR PRESSURE(mmHg @ 68F)	UNKNOWN
VAPOR DENSITY(AIR=1)	UNKNOWN
SOLUBILITY IN WATER:	COMPLETE
SPECIFIC GRAVITY:	1.0+/-0.05
% VOLATILE (% BY VOLUME)	96.0+/-0.2
MELTING POINT:	NOT APPLICABLE
EVAPORATION RATE(WATER=1)	1
APPEARANCE AND ODOR:	RED LIQUID, BERRY ODOR
pH	11.0+/-0.5

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA  
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**FLASH POINT / METHOD:** NONE TO BOIL / PMCC  
**FLAMMABLE LIMITS:** LEL: unknown UEL: unknown  
**EXTINGUISHING MEDIA:** Not Applicable.

**SPECIAL FIRE FIGHTING PROCEDURES:** Not Applicable.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Not Applicable.

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SECTION 5 - HEALTH HAZARD DATA  
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**EFFECTS OF OVEREXPOSURE:**

**EYE:** Symptoms include irritation, redness, tearing, blurred vision, irreversible corneal damage and blindness.  
**SKIN:** Symptoms include redness, swelling, burns and severe irreversible skin damage. Monoethanolamine is absorbed through the skin causing central nervous system depression.  
**INHALATION:** Severe irritation of respiratory system, pulmonary edema. May lead to death.  
**INGESTION:** Swallowing can be fatal. Symptoms include severe gastrointestinal irritation, vomiting of blood. Low blood pressure and shock may occur as a result of severe tissue injury.  
Aspiration hazard.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Overexposure to the ingredients in this product has caused the following effects in laboratory animals and may aggravate pre-existing disorders in humans: Nervous system damage, liver damage, kidney damage, lung damage. Overexposure to monoethanoamine has been suggested to cause the following effects in humans and may aggravate pre-existing disorders of these organs: Liver, kidney. Skin disorders will be aggravated with the use of this product.

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION** Remove exposure. Restore breathing. Keep warm and quite. Seek medical attention immediately.

**SKIN** Wash affected area with water for fifteen minutes. Remove contaminated clothing immediately and launder before reuse. Discard contaminated shoes. If skin is damaged seek medical attention immediately.

**EYES** Flush with large amounts of water for at least 15 minutes while holding eyelids apart. Get medical attention.

**IF SWALLOWED** Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If individual is conscious and alert immediately rinse mouth with water and give milk or water to drink. Do not leave individual unattended. Seek medical attention.

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SECTION 6 - REACTIVITY DATA  
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**STABILITY:** Stable  
**INCOMPATIBILITY:** Metals such as copper, aluminum, magnesium zinc to release hydrogen gas which is explosive. Strong mineral acids, strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Various hydrocarbons of incomplete combustion.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

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SECTION 7 - SPILL OR LEAK PROCEDURES  
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**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR LEAKED:**  
Ventilate, neutralize and remove with inert absorbent.  
**WASTE DISPOSAL METHOD:**  
Waste from this product is hazardous as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with federal, state and local regulations.

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SECTION 8 - SPECIAL PROTECTION INFORMATION  
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**VENTILATION:**  
Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.  
**RESPIRATORY PROTECTION:**  
If required a properly fitted NIOSH/MSHA approved respirator rated for the hazardous ingredients found in (SECTION 2).  
**SKIN PROTECTION:**  
Gloves rated for protection against ingredients in (SECTION 2).  
**EYE PROTECTION:**  
Safety glasses with side shields or chemical goggles.

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SECTION 9 - PRECAUTIONARY INFORMATION  
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**PRECAUTIONS TO BE TAKEN IN STORING AND HANDLING:**  
Do not smoke. Never wear soaked clothing. Launder or dry-clean before wearing. Affix proper warning labels on containers in accordance with 29CFR 1010.1200.

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SECTION 10 - REGULATORY INFORMATION  
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**D.O.T. REQUIREMENTS (49CFR 172.101)**

None

**RQ (REPORTABLE QUANTITY) 49CFR 172.101**

COMPONENT	RQ (lb.)	OF THIS PRODUCT
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None

**TSCA (Toxic Substances Control Act) Status**

The intentional ingredients of this product are listed.

**CERCLA RQ - 40CFR302.4**

COMPONENT	RQ (lb.)	OF THIS PRODUCT
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None

**SARA 302 COMPONENTS - 40CFR 355 Appendix A**

None

**SECTION 311/312 HAZARD CLASS - 40CFR 370.2**

Immediate	(X)	Reactive	( )
Delayed	(X)	Sudden Release of Pressure	( )
Fire	( )		

**SARA 313 COMPONENTS - 40CFR 372.65**

COMPONENT	CAS NUMBER	MAX. PERCENT
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None

**WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)**

INGREDIENT	MAX. % BY WT.	LD50	LC50
MONOETHANOL AMINE 141-43-5	5	unknown	unknown

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The information contained herein is based on data we believe to be correct. Any use of the product that is not in conformance with this MSDS or which involves using the product in combination with any other product or any process is the responsibility of the user.

<sup>1</sup> ACGIH

<sup>2</sup> OSHA