

**MATERIAL SAFETY DATA SHEET:E-Z CUT**

DATE OF ISSUE: 12/11/2002

SUPERCEDES: 11/02/2001

**SECTION I - GENERAL INFORMATION****Chemical Name & Synonyms:**

N/A

**Trade Name & Synonyms:**

E-Z CUT

**Chemical Family:**

EMULSIFIABLE PETROLEUM

**Formula Mixture: X****Manufacturer's Name:**

Partsmaster, Div of NCH Corp.

**Address:**

P.O. Box 225830

Dallas, TX 75265-5830

**Prepared By:**

C Williamson/Chemist

**Product Code Number**

0055

**Emergency Phone Number**

800-424-9300

**SECTION II - HAZARDOUS INGREDIENTS**

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

<b>Chemical Name (Ingredients)</b>	<b>Hazard</b>	<b>TLV</b>	<b>PEL</b>	<b>STEL</b>	<b>CAS #</b>
DIETHYLENE GLYCOL MONOBUTYL ETHER (DEGBE)	IRRITANT	N/E 1	N/E 2	N/E	112-34-5
SEVERELY HYDROTREATED HEAVY NAPHTHENIC DISTILLATES	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10 MG/M3 \$1	64742-52-5
POLYOLEFIN ANHYDRIDE	IRRITANT	N/E 1	N/E 2	N/E	TRADE SECRET
CHLORINATED PARAFFIN	IRRITANT	5 MG/M3 \$1	5 MG/M3 \$2	10 MG/M3 \$1	61788-76-9
DIALKYL AMINES, MONO & DIALKYL PHOSPHATES	IRRITANT	N/E 1	N/E 2	N/E	122970-62-1
2-AMINO-2-METHYL-1-PROPANOL (AMP)	IRR/COMB	N/E 1	N/E 2	N/E	124-68-5
SULFURIZED RAPE OIL	IRRITANT	10 MG/M3#1	5 MG/M3 #2	N/E	68153-37-7
DIPROPYLENE GLYCOL MONOMETHYL ETHER (DPGME)	IRR/COMB	100 PPM 1	100 PPM 2	150 PPM 1	34590-94-8
ETHYLDIHYDRO-1H,3H,5H-OXAZOLO(3,4-C) OXAZOLE	IRR/COMB	N/E 1	N/E 2	N/E	7747-35-5
ALIPHATIC C11-14 ALCOHOLS	IRRITANT	50 PPM &4	N/E 2	N/E	68526-86-3
\$ OIL MIST VALUES					
# VEGETABLE OIL MIST VALUES					
& OXO ALCOHOL VALUE					

**SECTION III - PHYSICAL DATA**

<b>Boiling Point (f):</b>	460°	<b>Specific Gravity (H2O=1):</b>	0.929
<b>Vapor Pressure (MM HG):</b>	0.02	<b>Color:</b>	YELLOW TO BROWN
<b>Vapor Density (Air=1):</b>	5.1	<b>Odor:</b>	NEUTROLEUM
<b>PH @ 100% :</b>	9.3@10%	<b>Clarity</b>	OPAQUE
<b>% Volatile by Volume:</b>	31.4	<b>Evaporation Rate (BU A/C=1):</b>	0.02
<b>H2O Solubility:</b>	EMULSIFIABLE	<b>Viscosity:</b>	SEMI-VISCOUS

**SECTION IV - FIRE AND EXPLOSION HAZARD**

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
180°F / SETAFLASH	DEGBE	0.85	24.6

**Extinguishing Media:**

Foam:X	Alcohol Foam:X	CO2:X	Dry Chemical:X	Water Spray:	Other:
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**Special Fire Fighting Procedures:**

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

**Unusual Fire and Explosion Hazards:**

THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

**NFPA Hazard Rating: (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)**

Health:3	Flammability:1	Instability:0	Special:
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**SECTION V - HEALTH HAZARD DATA****Threshold Limit Value:**

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

**Effects of Overexposure:****-Acute(Short Term Exposure)**

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS STINGING, TEARING, REDNESS AND A BURNING SENSATION. PROLONGED CONTACT MAY CAUSE BURNS, CORNEAL DAMAGE AND POSSIBLE BLINDNESS. SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS; MAY CAUSE ALLERGIC SKIN REACTION SEEN AS DELAYED SKIN RASH WHICH MAY BE FOLLOWED BY BLISTERING, SCALING AND OTHER SKIN EFFECTS. INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. WITH INHALATION AT LOW LEVELS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS DROWSINESS, WEAKNESS, UNCONCIOUSNESS AND POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION. INGESTION: CAUSES IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, WEAKNESS, STAGGERING GAIT, NAUSEA, BLURRED VISION, EXCITATION AND IN EXTREME CASES COMA OR DEATH.

**-Chronic (Long Term Exposure)**

MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS. ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSES A RISK OF CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION AND HEART RATES AS WELL AS A BLUISH DISCOLORATION OF THE SKIN. CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE. IN RARE CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS. TARGET ORGANS: BLOOD-FORMING ORGANS AND CENTRAL NERVOUS SYSTEM.

<b>Primary Routes of Entry:</b>	Inhalation:X	Ingestion:	Absorption:X
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**Emergency and First Aid Procedures:****-Inhalation:**

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

**-Eye Contact:**

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

**-Skin Contact:**

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

**-Ingestion:**

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

**-Notes to Physician:**

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

**SECTION VI - TOXICITY INFORMATION****Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:**

**IARC:** No                      **NTP:** No                      **OSHA:** No                      **ACGIH:** No                      **OTHER:** No

VOC CONTENT: 31.4% BY WEIGHT; 31.7% BY VOLUME; 293.7 G/L

**DIETHYLENE GLYCOL MONOBUTYL ETHER**

ORL-RAT LD50: 6.56 G/KG, TIME TO DEATH: 1-7 DAYS, MAJOR SIGNS: NARCOSIS 4.

SKN-RBT LD50: 4.12 ML/KG                      4.

SKN-RBT: UNOCCLUDED CONTACT 0.01 ML, NO IRRITATION AT 24 HR                      4.

EYE-RBT: SEVERE IRRITATION                      4.

IHL-RAT SATURATED VAPOR STUDIES 8HR, MORTALITY: 0/6                      4.

IN A TWO-WEEK DERMAL STUDY WITH RATS, REPORTED IN LITERATURE, 1900 MG/KG/DAY OR HIGHER OF DIET

IN A 30-DAY DRINKING WATER STUDY WITH RATS, A DOSAGE OF 0.6 GM/KG RESULTED IN REDUCED GROWTH A

IN THE HUMAN PATCH TEST, 1 OF 10 SUBJECTS HAD DEFINITE ERYTHEMA.                      4.

**SEVERELY HYDROTREATED HEAVY NAPHTHENIC PETROLEUM DISTILLATES**

ORL-RAT LD50: > 5000 MG/KG                      3.

SKN-RBT LD50: > 5000 MG/KG                      3.

SKN-RBT SDT: 500 MG SEVERE                      3.

MINERAL OIL MISTS DERIVED FROM HIGHLY REFINED OILS ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUT

THESE PETROLEUM DISTILLATES ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED AND/OR PROCE

**POLYOLEFIN ANHYDRIDE**

ORL-RAT LD50: >5000 MG/KG                      3.

SKN-RBT LD50: >2000 MG/KG                      3.

**CHLORINATED PARAFFIN**

ORL-RAT LD50: > 21500 uL/KG                      3.

SKN-RBT LD50: > 10 ML/KG                      3.

SKN-RAT SDT: 100 MG/24H MILD                      3.

EYE-RBT SDT: 100 MG MILD                      3.

IARC HAS DETERMINED THAT CHLORINATED PARAFFINS OF AVERAGE CARBON-CHAIN LENGTH C12 AND AVERAGE :  
NTP HAS REPORTED THAT IN RECENT STUDIES C12, 60% CHLORINATED PARAFFIN IN CORN OIL CAUSED TUMOR  
CHLORINATED PARAFFINS ARE A CLASS OF COMPOUNDS THAT ARE SIMILARLY MANUFACTURED BUT WHICH VARY :

**DIALKYL AMINES, MONO AND DIALKYL PHOSPHATES**

ORL-RAT LD50: >5 G/KG                      4.

**2-AMINO-2-METHYL-1-PROPANOL (AMP)**

ORL-RAT LD50: 2900 MG/KG 3.  
 IHL-RAT TCl<sub>0</sub>: 230 uG/M3/4H/13W-I 3.  
 SKN-RBT LD50: >2000 MG/KG 4.  
 SKN-RBT: SCORE OF 6.37; SEVERE 4.  
 EYE-RBT: SCORE OF 110 UNDILUTED; SEVERE  
 30 SEC APPLICATION/30 SEC WASH: SCORE OF 89.3  
 15 SEC APPLICATION/30 SEC WASH: SCORE OF 69.3 4.  
 SKN-RBT: 1000, 1500, 2000 MG/KG;  
 24HR - SEVERE IRRITATION AND BLACK; 2-3 DAYS - NECROTIC;  
 14 DAYS - ESCHAR FORMATION 4.

**SULFURIZED RAPE OIL**

ORL-RAT LD50: >5000 MG/KG 4.  
 IHL-RAT: 1365 MG/M3 4.  
 SKN-RBT: NON-IRRITATING 4.  
 EYE-RBT: NON-IRRITATING 4.

**DIPROPYLENE GLYCOL MONOMETHYL ETHER**

EYE-HMN SDT: 8 MG MILD 3.  
 EYE-RBT SDT: 500 MG/24H MILD 3.  
 SKN-RBT OPEN IRRITATION TEST: 500 MG MILD 3.  
 SKN-RBT LD50: 10 ML/KG 3.  
 ORL-RAT LD50: 5400 uL/KG 3.

**ETHYLDIHYDRO-1H,3H,5H-OXAZOLO (3,4-C)-OXAZOLE**

SKN-GPG: SENSITIZER 3.  
 SKN-RBT LD50: 2000 MG/KG 3.  
 ORL-RAT LD50: >3600 MG/KG 3.  
 IHL-RAT LC50: 3.1 MG/L/4H 3.

MUTAGENICITY: INVITRO MUTAGENICITY STUDIES WERE NEGATIVE.

TERATOLOGY (BIRTH DEFECTS): HAS CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS ONLY AT DOSES TOXIC

**ALIPHATIC ALCOHOLS, C11-14**

ORL-RAT LD50: 17,200 MG/KG 3.  
 SKN-RBT LD50: 5600 MG/KG 3.  
 SKN-RBT OPEN IRRITATION TEST: 410 MG MILD 3.

**SECTION VII - REACTIVITY DATA****Stability:**

Stable:X

Unstable:

Conditions to Avoid: EXPLOSIVE  
 PEROXIDES MAY FORM UPON  
 PROLONGED STORAGE WITH  
 EXCESSIVE EXPOSURE TO AIR AND  
 SUNLIGHT.

**Incompatibility (Materials to Avoid):**

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE;  
 STRONG ACIDS AND BASES; ACID ANHYDRIDES, ALKYLENE OXIDES, HALOGENS, COPPER, BRASS, ALUMINUM,  
 MONOMERS, POLYMERIZABLE ESTERS AND HALOGENATED HYDROCARBONS.

**Hazardous Decomposition Products:**

OXIDES OF CARBON, NITROGEN, SULFUR AND PHOSPHORUS; HYDROGEN CHLORIDE, HYDROGEN SULFIDE,  
 ALDEHYDES, FORMALDEHYDE AND AMMONIA.

**Hazardous Polymerization:**

May Occur:X

Will Not Occur:

Conditions to Avoid: N/A

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**SECTION VIII - SPILL OR LEAK PROCEDURES****Steps to be Taken if Material is Released or Spilled:**

WEAR APPROPRIATE PROTECTIVE CLOTHING. USE CARE AS SPILLS MAY BE SLIPPERY. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

**Waste Disposal Method(s):**

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**Neutralizing Agent:**

N/A

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**SECTION IX - SPECIAL PROTECTION INFORMATION****Required Ventilation:**

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF VAPORS OR MISTS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

**Respiratory Protection:**

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

**Glove Protection:**

NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

**Eye Protection:**

CHEMICAL GOGGLES SHOULD BE WORN WHEN HANDLING. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

**Other Protection:**

WEAR GENERAL DUTY WORK CLOTHING AND SHOES. REMOVE OIL SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

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**SECTION X - STORAGE AND HANDLING INFORMATION****Storage Temperature:**

Indoors:X

Outdoors:X

Heated:

Refrigerated:

Minimum Temperature:35°F

Maximum Temperature:120°F

**Precautions to be taken in Handling and Storing:**

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE AT MODERATE TEMPERATURES AWAY FROM DIRECT SUNLIGHT. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES WHICH MAY EXHIBIT THE HAZARDS OF THE PRODUCT. TO AVOID POSSIBLE EXPLOSION DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE EMPTY CONTAINERS TO HEAT, HOT SURFACES, SPARKS OR OPEN FLAMES. BULK STORAGE: FOR MAXIMUM PRODUCT LIFE, STORE INDOORS. OUTDOOR STORAGE TIP: STORE CONTAINERS ON THEIR SIDE TO HELP PREVENT WATER ACCUMULATION ON A FLAT END AND CONSEQUENT PRODUCT CONTAMINATION.

**Other Precautions:**

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

**SECTION XI - REGULATORY INFORMATION**

<b><u>Chemical Name</u></b>	<b><u>CAS Number</u></b>	<b><u>Upper % Limit</u></b>
GLYCOL ETHERS	N/A	20

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III& of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains the following chemical(s) know to the State of California to cause (1)Cancer or (2) Birth Defects or other reproductive harm. THIS PRODUCT CONTAINS FORMALDEHYDE (1) AS A TRACE CONTAMINANT.

**SECTION XII - REFERENCES**

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2002.
4. VENDOR'S MSDS.
5. IARC.

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 IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE CARC:CARCINOGENIC, TOX:T  
 LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATIO

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORM  
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