

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING	
HEALTH	1
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	C

DATE OF PREPARATION
15 NOVEMBER 1997
BY R. REMIASZ

SECTION 1 - PRODUCT IDENTIFICATION

ITEM NUMBER
1188
ITEM DESCRIPTION
TEC463 ORANGE POWER
PRODUCT NAME
TECHNICIAN'S CHOICE TEC463 ORANGE POWER DEGREASER CONCENTRATE
PRODUCT CLASS
SOLVENT/SURFACTANT BLEND

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT CAS NUMBER	MAX. % BY WT.	TLV ¹	PEL ²
LIMONENE 5989-27-5	7	NOT ESTABLISHED	
AMINE ALKYL BENZENE SULFONATE 26264-05-1	20	NOT ESTABLISHED	

Listed as IARC, NTP, or OSHA Carcinogen: None

SECTION 3 - PHYSICAL CHARACTERISTICS

BOILING POINT:	212F
VAPOR PRESSURE (mmHg @ 68F)	UNKNOWN
VAPOR DENSITY (AIR=1)	UNKNOWN
SOLUBILITY IN WATER:	COMPLETE
SPECIFIC GRAVITY:	1.00+/-0.05
% VOLATILE (VOLUME)	80+/-0.2
MELTING POINT:	NOT APPLICABLE
EVAPORATION RATE (WATER=1)	UNKNOWN
APPEARANCE AND ODOR:	ORANGE THICK LIQUID, CITRUS ODOR
pH	9.0+/-0.5

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SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT / METHOD: NONE TO BOILING / COC
FLAMMABLE LIMITS: LEL: Unknown UEL: Unknown
EXTINGUISHING MEDIA:

Water fog, dry chemicals or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self contained breathing apparatus for confined areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air. Treat as petroleum fire.

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SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

EYE: Irritation of eyes. Prolonged contact can cause severe irritation, redness, tearing, blurred vision.

SKIN: Dryness, redness and itching or a burning sensation.

INHALATION: Irritation of respiratory system headache, dizziness, nausea, fatigue and loss of coordination are indications of overexposure to vapors or mists.

INGESTION: Gastrointestinal irritation, vomiting, diarrhea.

Aspiration can cause chemical pneumonitis which can be fatal.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Dermatitis. Limoline has been found to cause or aggravate mild reversible liver and kidney effects in laboratory animals. Alcohol consumption may increase adverse affects. Limoline or a component has caused harm to the fetus in laboratory animals. Harm to the fetus occurred only at exposure levels that harm the pregnant animals. Limoline or a component has been shown by NTP to cause kidney tumors in male rats. The relevance of these findings in humans is uncertain.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION Remove exposure. Restore breathing. Keep warm and quite.

SKIN Wash affected area with soap and water. Remove contaminated clothing and launder before reuse.

EYES Flush with large amounts of water. Get medical attention.

IF SWALLOWED Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Call a physician immediately.

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SECTION 6 - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Various hydrocarbons of incomplete
combustion.
HAZARDOUS POLYMERIZATION: Will not occur.
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SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR LEAKED:
Remove all sources of ignition. Contain spill. Ventilate and
remove with inert absorbent.
WASTE DISPOSAL METHOD:
Waste from this product may be 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

VENTILATION:
Use only with adequate ventilation. Avoid breathing vapor or mist.
Local exhaust preferred.
RESPIRATORY PROTECTION:
Properly fitted NIOSH/MSHA approved respirator for ingredients
found in (SECTION 2) if TLV is exceeded.
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

PRECAUTIONS TO BE TAKEN IN STORING AND HANDLING:
Contents may burn. Keep away from any heat or spark source. Do
not smoke. Empty containers can contain explosive vapors. Never
use a torch to cut or weld on or near container. Never wear oil
soaked clothing. Launder or dry-clean before wearing. Discard oil
soaked shoes. Affix proper warning labels on containers in
accordance with 29CFR 1010.1200.

SECTION 10 - REGULATORY INFORMATION

D.O.T. REQUIREMENTS (49CFR 172.101)
 Not regulated

RQ (REPORTABLE QUANTITY) 49CFR 172.101	RQ (lb.)	FOR THIS PRODUCT
COMPONENT		
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none		

TSCA (Toxic Substances Control Act) Status
 The intentional ingredients of this product are listed.

CERCLA RQ - 40CFR 302.4
 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
 None

WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)			
INGREDIENT	MAX. % BY WT.	LD50	LC50
LIMONENE	7	unknown	unknown
AMINE ALKYL BENZENE SULFONATE	20	2680mg/kg oral-rat	unknown

The information contained herein is based on data we believe to be correct. Any use of the product which 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.

¹ ACGIH

² OSHA