

1FID: 00232062
VER DATE: 1987-05-08

C H E M I S T R I
MATERIAL SAFETY DATA SHEET

DATE: 10/22/02
TIME: 19:01:54
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SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: ONE STEP SPOT LIFTER, AEROSOL
ALL SYNONYMS : ONE STEP SPOT LIFTER, AEROSOL
PRODUCT DISCONTINUED 1997
SPOT LIFTER
SPOT LIFTER (FORMER)
SPOTLIFTER
TPW712
1051398
2566
701

MSDS SIGNED BY NAME: R.A. PASSARELLI
MSDS SIGNED BY TITLE: TECHNICAL DIRECTOR

SAFE USE CATEGORY AND DESCRIPTION: 01 -HALOGENATED SOLVENTS

LAST UPDATED DATE: 1991-04-30

MANUFACTURER'S ID (MID): 000533285
MANUFACTURER'S NAME: PENN CHAMP INC
MANUFACTURER'S MAILING ADDRESS:

P.O. BOX 191
BUTLER PA 16001
US

CHEMICAL FAMILY NAME: PARAFFINIC HYDROCARBON, CHLORINATED HYDROCARBON

MOLECULAR FORMULA: C3 H8 + C4 H10 CH3 C CL3

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000071556	= 69.0000/ 0.0000%	W	ETHANE, 1,1,1-TRICHLORO-
000074986	= 5.0000/ 0.0000%	W	Propane
000106978	= 20.0000/ 0.0000%	W	Butane
027136738	< 0.0000/ 6.0000%	W	1H-IMIDAZOLE-1-ETHANOL, 4,5-DIHYDR O-2-(HEPTADECENYL)-
063231674	< 0.0000/ 6.0000%	W	SILICA GEL

THRESHOLD LIMIT VALUE: 100 PPM, 450 PPM STEL

CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS): 1000 LBS FOR 1,1,1
TRICHLOROETHANE

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:
SKIN PRIMARY ENTRY ROUTE INDICATOR = Y
EYE PRIMARY ENTRY ROUTE INDICATOR = N

INHALATION PRIMARY ENTRY ROUTE INDICATOR = Y
INGESTION PRIMARY ENTRY ROUTE INDICATOR = N
PRIMARY ROUTES OF ENTRY TEXT: INHALATION, SKIN CONTACT

EFFECTS OF OVEREXPOSURE: INHALATION CAN CAUSE IRRITATION OF RESPIRATORY SYSTEM, DIZZINESS, NAUSEA, HEADACHE, LOSS OF EQUILIBRIUM, UNCONSCIOUSNESS, POSSIBLE CENTRAL NERVOUS SYSTEM DAMAGE OR EVEN DEATH UNDER SEVERE ACUTE EXPOSURE.

ADDITIONAL HEALTH HAZARD DATA: LABEL INFORMATION: CAUTION: CONTENTS UNDER PRESSURE. DO NOT PUNCTURE OR INCINERATE. DO NOT EXPOSE TO HEAT OR STORE AT TEMPERATURES ABOVE 120F. KEEP OUT OF REACH OF CHILDREN. WARNING: CONTAINS CHLORINATED SOLVENT. USE IN WELL-VENTILATED AREA. AVOID PROLONGED OR REPEATED INHALATION OF VAPOR. DO NOT USE ON PAINTED OR LACQUERED SURFACES, RUBBERIZED GOOD OR PLASTIC.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - GENERAL: INHALATION: REMOVE TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. CALL A PHYSICIAN. EYE AND SKIN CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, REMOVE CONTAMINATED CLOTHING. IF IRRITATION OCCURS, CONSULT PHYSICIAN. DO NOT INDUCE VOMITING. TAKE IMMEDIATELY TO HOSPITAL OR PHYSICIAN. DO NOT ADMINISTER ADRENALIN.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: 1.80
FLAMMABLE UEL: 9.50

EXTINGUISHING MEDIA: DRY CHEMICAL, CO2.

SPECIAL FIRE FIGHTING PROCEDURES: USE WATER SPRAY OR FOG TO COOL EXPOSED PRODUCT (AEROSOL CANS). USE NIOSH/MSHA-APPROVED SELF-CONTAINED BREATHING EQUIPMENT FOR ENCLOSED AREAS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: AEROSOL CONTAINERS ARE UNDER PRESSURE AND CAN BURST WHEN EXPOSED TO HEAT. HYDROCARBON PROPELLANT IS HIGHLY FLAMMABLE WHEN MIXED IN AIR. CHLORINATED SOLVENT CAN BE IGNITED ONLY BY HIGH INTENSITY SOURCE OF IGNITION - MAY FORM HCL AND TRACES OF PHOSGENE. FLAME EXTENSION TEST: 15 INCHES. FLASHPOINT NONE.

NFPA CODES:

NFPA FLAMMABILITY CODE = 0
NFPA HEALTH CODE = 3
NFPA REACTIVITY CODE = 1

FLASH POINT TEMPS: 123.00C/ 253.00F
FLASH POINT TEXT: 123C CHLORINATED HYDROCARBON
FLASH POINT METHOD: OC

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: ADEQUATE VENTILATION MUST BE PROVIDED. AVOID CONTAMINATION OF GROUND AND SURFACE WATERS. RECOVER MATERIAL WITH

ABSORBENTS SUCH AS SAWDUST OR VERMICULITE.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT STORE AT TEMPERATURES ABOVE 120F.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: SAFETY GLASSES RECOMMENDED

RESPIRATORY PROTECTION: NO SPECIAL PROTECTION REQUIRED UNDER NORMAL USE.

PERSONAL PROTECTIVE EQUIPMENT: NOT REQUIRED UNDER NORMAL USE. AVOID PROLONGED BREATHING OF VAPOR AND CONTACT WITH SKIN AND EYES.

PROTECTIVE GLOVES (SPECIFY TYPE): NONE WITH NORMAL USE.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

ANALYTICAL VOC WITHOUT WATER: 8.90 BY
ANALYTICAL VOC WITHOUT WATER: 8.9 LB/GAL (94% BY WT.)
PACKAGED VOC VALUE/WEIGHT OR VOLUME CODE: 8.90 BY
THEORETICAL VOC WITHOUT WATER: 8.9 LB/GAL (94% BY WT.)

BOILING POINT TEXT: 0F (HYDROCARBON PROPELLANT >HP!); 165F (CHLORINATED HYDROCARBON >CH!)

SPECIFIC GRAVITY VALUES: R 1.3100
SPECIFIC GRAVITY TEXT: R 1.31-0.556 (1.31 HP; 0.556 CH)

VAPOR DENSITY VALUES: 4.5400
VAPOR DENSITY TEXT: 4.54 (HP); 1.979 (CH)
VAPOR PRESSURE VALUES/UOM: 46.0000MMHG
VAPOR PRESSURE TEXT: 46 PSI (HP); 120 MMHG @68F (CH)

PERCENT VOLATILE BY VOLUME: 100.0000
PERCENT VOLATILE BY VOLUME TEXT: 100
PERCENT SOLID BY WEIGHT TEXT: 0

EVAPORATION RATE VALUES: 0.35
EVAPORATION RATE TEXT: .35 (HP); 71 (CH)

SOLUBILITY IN WATER TEXT: NEGLIGIBLE

PH OF PRODUCT IN SOLUTION WITH WATER/TEXT: N/A

APPEARANCE: ODORLESS (HP); ETHER-LIKE (CH)

PHYSICAL STATE: LIQ
PHYSICAL STATE TEXT: *LIQUID (AEROSOL PRODUCT)

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: TEMPERATURES ABOVE 120F. IGNITION SOURCES.

STABILITY - TEXT: YES

INCOMPATIBLE MATERIALS: CAUSTIC SODA, CAUSTIC POTASH.

HAZARDOUS DECOMPOSITION PRODUCTS: HCL AND POSSIBLE TRACES OF PHOSGENE.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: NO

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: CONTAMINATED ABSORBENT MUST BE DISPOSED OF AT APPROVED DISPOSAL FACILITY.

SECTION 16: OTHER INFORMATION

RCRA HAZARDOUS WASTE NUMBER TEXT: U-226 FOR 1,1,1 TRICHLOROETHANE

LOCAL EXHAUST: NOT REQUIRED UNDER NORMAL USE.

SPECIAL PROTECTION: NONE

SAFE USE CATEGORY AND DESCRIPTION :

01 HALOGENATED SOLVENTS

REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :

CAS#: 000071556 ETHANE, 1,1,1-TRICHLORO-

REG:

0001,0003,0004,0006,0007,0010,0011,0012,0014,0016,0017,0019
0020,0021,0023,0031,0032,0034,0036,0037,0038,0039,0047,0048
0056,0058,0059,0061,0063,0064,0065,0066,0068,0071,0084,0089
0091,0102,0104,0109,0112,0116,0122,0123

HHS:

REFER TO THE APPROPRIATE SAFE USE INSTRUCTION FOR HEALTH HAZARD INFORMATION.

CAS#: 000074986 Propane

REG:

0001,0003,0012,0017,0019,0020,0032,0034,0038,0039,0056,0061
0065,0070,0082,0103

CAS#: 000106978 Butane

REG:

0003,0012,0015,0017,0019,0020,0034,0038,0039,0056,0061,0063
0065,0082,0103

CAS#: 027136738 1H-IMIDAZOLE-1-ETHANOL, 4,5-DIHYDRO-2-(HEPTADECENYL)-

REG:

0012

CAS#: 063231674 SILICA GEL

REG:

0012

REGULATORY KEY LIST:

0001	OSHA-PEL	0003	ACGIH-TLV	0004	GM-SPEC CHEM
0005	SUSP CARCIN	0006	EPA HW261.33	0007	EPA HW-APP 8
0008	MCMR	0009	FWPC-SEC 311	0010	EPA PRIORPOL
0011	NY SUBS CONC	0012	TSCA INV	0014	MI AIR POLLU
0015	SUP TAX CHEM	0016	MI HW-ACT 64	0017	CA HAZ SUBST
0018	NY SAN 22.8	0019	MA SUBST	0020	NJ ENV SUBST
0021	TOX ORGANICS	0022	MD CLASS I	0023	MD CLASS II
0024	EPA-ATC-I	0026	EPA-CHEMCONC	0027	WB VERY TOX
0028	WB OTHER TOX	0031	ALLGHNY CTY	0032	IL-RTK
0033	OSHA-HHCL	0034	FLT CRIT IND	0035	GM-AHC
0036	PRO EP TOX	0037	MO SPECIES	0038	MO-RTK
0039	ONT 654-86	0040	ONT DES SUB	0041	SARA312EXHAZ
0042	WI TABLE 1	0043	WI TABLE 2	0047	SARA 313
0048	CERCLASEC103	0049	P-65 CARCINO	0050	P-65 REP TOX
0051	MD CLSI .11	0052	MD CLSI .12	0053	MD CLSII .12
0054	CT 29-1	0055	CT 29-2	0056	CT 29-3
0058	EPA261.33(F)	0059	CA AIR TOX 1	0060	CA AIR TOX 2
0061	PA RTK	0063	PELS REVISED	0064	NPDES-TOXPOL
0065	NJ W&C RTK	0066	CAA HAZ POL	0067	NV HIGH HAZ.
0068	MI 307-CARC	0069	MI 307-NCARC	0070	MICH AIR
0071	CAA602 CLSI	0075	C	0076	D
0078	GREAT LAKES	0080	METALS	0082	EPA 112 (R)
0083	TSCA 8(D))	0084	GM OEG	0085	TSCA-TEST
0087	TSCA 12(B)	0088	NAT. POLL. REL	0089	NY CHEM BULK
0090	GL PERSIST	0091	LAND DISP. - II	0092	UAW/GM AUDIT
0093	TSCA - SPECIAL	0095	FIFRA REG MAT	0098	DSL - CANADA
0099	NDSL - CANADA	0102	GM 1000M	0103	CAA SEC. 112(R)
0104	CERCLA-HAZWOPER	0105	GLPPP-SPECIFIC	0106	GLPPP-SPECIFIC
0107	PET. DISTILLATE	0109	APPENDIX IX	0110	GLOBAL WARM CMP
0112	RCRA PBT -DRAFT	0113	IARC-GROUP 2B	0115	IARC-GROUP 1
0116	GMW 3059-RESTR.	0117	GMW 3059-REPORT	0118	T.W. REPORT
0121	HEX CHROME, PB,	0122	ACDM-REPORTING	0123	MDEQ PART 5

GMBA/PLANT USING THIS FID:

GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS
CISCO: 17001;
STATUS :ACTIVE
GMBA: 000550957 CHEMICAL RISK MANAGEMENT
CISCO: 89150;
STATUS :ACTIVE
GMBA: 000550965 GMPTG - DENVER VEHICLE EMISSIONS LAB
CISCO: 94011;
STATUS :INACTIVE
GMBA: 000550976 GM TECHNICAL CENTER, TOTAL SITE
CISCO: 96003;
STATUS :ACTIVE
GMBA: 000551865 MANAGEMENT CENTER - WARREN
CISCO: 85155;
STATUS :INACTIVE

GMBA: 000555104 TRUCK PRODUCT CENTER - WEST
STATUS :INACTIVE
GMBA: 000556705 ENVIRONMENTAL SYSTEMS HELPDESK
CISCO: 99004;
STATUS :ACTIVE