

1FID: 00145163  
VER DATE: 1987-02-19

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

DATE: 10/22/02  
TIME: 19:01:23  
PAGE: 0001

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SECTION 01: CHEMICAL PRODUCT & COMPANY ID  
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PRODUCT PRIMARY NAME: 00747 SAFETY SOLVENT  
ALL SYNONYMS : BRAKE PARTS CLEANER  
CUA3553  
FAH 1513  
GMPN-1-350-109  
GOODWRENCH BRAKE PARTS CLEANER  
HI-TECH SAFETY SOLVENT & DEGREASER 00747  
HM CONTROL REMOVED  
HMC-2301  
HM0165  
LAB NO. 36363  
NN-SOLVENT  
SA 3229  
SAFETY SOLVENT  
SAFETY SOLVENT & DEGREASER 00747  
SAFETY SOLVENT 00747  
SS0001131  
SYM131284  
006535-0  
006535-0 BRAKE PARTS CLNR  
00747 HI-TECH SAFETY SOLVENT & DEGREASER  
00747 SAFETY SOLVENT  
00747 SAFETY SOLVENT & DEG  
12345754  
180204 (OLD FID)  
180257 (OLD FID)  
199737 (OLD FID)  
223818 (OLD FID)  
2358  
308751 (OLD FID)  
36363  
550807 INACTIVE  
747 HI-TECH SAFETY SOLVENT & DEGREASER  
747 SAFETY SOLVENT  
84669 (OLD FID)  
91C119

SAFE USE CATEGORY AND DESCRIPTION: 01 -HALOGENATED SOLVENTS

LAST UPDATED DATE: 1990-01-05

MANUFACTURER'S ID (MID): 000540906  
MANUFACTURER'S NAME: SHERWIN-WILLIAMS DIVERSIFIED BRANDS, INC  
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 216-566-2000  
MANUFACTURER'S MAILING ADDRESS:

31500 SOLON ROAD  
ALSO SEE GMBA #533190  
SOLON OH 44139-3528

US

CHEMICAL FAMILY NAME: (AEROSOL) CLEANERS

MOLECULAR FORMULA: 36363

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SECTION 02: COMPOSITION & INGREDIENT INFO  
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CAS#	FORMULATION	W/V	CHEMICAL NAME
000071556	= 95.0000/ 0.0000%	W	ETHANE, 1,1,1-TRICHLORO-
000124389	< 0.0000/ 5.0000%	W	Carbon dioxide

THRESHOLD LIMIT VALUE: METHYL CHLOROFORM #71556: 350 PPM; 1900 MG/M3.  
CARBON DIOXIDE #124389: 5000 PPM; 9000 MG/M3.

PERMISSIBLE EXPOSURE LIMIT: METHYL CHLOROFORM #71556: 350 PPM. CARBON  
DIOXIDE #124389: 5000 PPM.

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SECTION 03: HAZARDS IDENTIFICATION  
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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 =	Y

PRIMARY ROUTES OF ENTRY TEXT: INHALATION; SKIN; INGESTION.

EFFECTS OF OVEREXPOSURE: IN A CONFINED AREA, VAPORS IN HIGH  
CONCENTRATION ARE ANESTHETIC. IRRITANT TO SKIN AND UPPER RESPIRATORY  
SYSTEM. OVER-EXPOSURE MAY RESULT IN LIGHT-HEADEDNESS, STAGGERING GAIT,  
GIDDINESS AND POSSIBLE NAUSEA. HARMFUL OR FATAL IF SWALLOWED. CHRONIC:  
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREX OSURE TO SOLVENTS  
WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, ALSO KIDNEY AND LIVER  
DAMAGE.

ADDITIONAL HEALTH HAZARD DATA: HMIS. CLASSIFICATION CODE: HEALTH,  
MODERATE HAZARD, FLAMMABILITY, SEVERE HAZARD, REACTIVITY, MINIMAL  
HAZARD, PERSONAL PROTECTION, FACE SHIELD, GLOVES, APRON.

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SECTION 04: FIRST AID MEASURES  
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EMERGENCY FIRST AID PROCEDURES - GENERAL: BREATHING: REMOVE PATIENT TO  
FRESH AIR. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SKIN: WASH  
WITH SOAP AND WATER. SWALLOWING: CALL PHYSICIAN IMMEDIATELY. DO NOT  
INDUCE VOMITING.

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SECTION 05: FIRE-FIGHTING MEASURES  
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EXTINGUISHING MEDIA: NOT APPLICABLE.

SPECIAL FIRE FIGHTING PROCEDURES: WATER MAY BE INEFFECTIVE - WATER MAY  
BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP AT ROOM TEMPERATURE AS  
EXPOSURE TO DIRECT SUNLIGHT OR OTHER HEAT MAY CAUSE BURSTING (SEE

SECTIONS 6 AND 9). HMIS CLASSIFICATION CODE: HEALTH = 2 MODERATE HAZARD. FLAMMABILITY = 0 MINIMAL HAZARD. REACTIVITY = 0 MINIMAL HAZARD. PERSONAL PROTECTION = D FACE SHIELD, GLOVES, APRON.

NFPA CODES:

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

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SECTION 06: ACCIDENTAL RELEASE MEASURES

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SPILL OR LEAK PROCEDURES: VENTILATE AREA - ESPECIALLY LOW PLACES WHERE VAPORS WILL COLLECT. AVOID BREATHING OF VAPORS AND REMOVE WITH INERT ABSORBENT.

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SECTION 07: HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT STORE ABOVE 120F. KEEP AT ROOM TEMPERATURE AS EXPOSURE TO DIRECT SUNLIGHT OR HEAT MAY CAUSE BURSTING.

SECTION 7 - OTHER INFORMATION: KEEP AWAY FROM CHILDREN. DO NOT PUNCTURE OR INCINERATE. DO NOT SPRAY NEAR FIRE OR OPEN FLAME.

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SECTION 08: EXPOSURE CONTROLS - PROTECTION

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EYE PROTECTION: FOR PROLONGED USE IN CLOSE QUARTERS RECOMMEND SAFETY GLASSES WITH UNPERFORATED SIDESHIELDS.

RESPIRATORY PROTECTION: AVOID BREATHING OF VAPOR OR SPRAY MIST (SEE SECTION 4).

PROTECTIVE GLOVES (SPECIFY TYPE): RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

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SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

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BOILING POINT TEXT: PROPELLANT BELOW 0.0F

SPECIFIC GRAVITY TEXT: N/A

VAPOR DENSITY TEXT: HEAVIER THAN AIR

VAPOR PRESSURE VALUES/UOM: 85.0000PSIG

VAPOR PRESSURE TEXT: 85 +/- 5 PSIG (AEROSOL - CONTENTS UNDER PRESSURE)

PERCENT VOLATILE BY VOLUME: 100.0000

PERCENT VOLATILE BY VOLUME TEXT: BY WEIGHT: 100

PERCENT SOLID BY WEIGHT TEXT: 100

EVAPORATION RATE TEXT: FASTER THAN ETHER

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SECTION 10: STABILITY & REACTIVITY

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STABILITY INDICATOR: Y  
STABILITY - CONDITIONS TO AVOID: DO NOT STORE ABOVE 120F.  
STABILITY - TEXT: YES

INCOMPATIBLE MATERIALS: NONE.

HAZARDOUS DECOMPOSITION PRODUCTS: BY OPEN FLAME: NONFLAMMABLE -  
HOWEVER, IF SPRAYED INTO OPEN FLAME, FUMES MAY CONTAIN TOXIC FUMES OF  
CHLORIDES AND FLUORIDES, HYDROGEN CHLORIDE, AND PHOSGENE GAS.

HAZARDOUS POLYMERIZATION INDICATOR: N  
HAZARDOUS POLYMERIZATION TEXT: NO

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SECTION 13: DISPOSAL CONSIDERATIONS  
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WASTE DISPOSAL METHOD: DO NOT INCINERATE - DISPOSE IN ACCORDANCE WITH  
FEDERAL, STATE AND LOCAL REGULATIONS REGARDING POLLUTION.

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SECTION 16: OTHER INFORMATION  
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LOCAL EXHAUST: PROVIDE LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN  
TO KEEP TLV OF ALL HAZARDOUS INGREDIENTS IN SECTION 2 BELOW ACCEPTABLE  
LIMIT, AND LEL IN SECTION 4 BELOW STATED LIMIT.

SAFE USE CATEGORY AND DESCRIPTION :

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01 HALOGENATED SOLVENTS

REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :  
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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#: 000124389 Carbon dioxide

REG:

0001,0003,0012,0017,0019,0032,0038,0039,0061,0063,0065,0076  
0084,0122

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
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
0098	DSL - 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	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:

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GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS  
CISCO: 17001;  
STATUS :ACTIVE

GMBA: 000550741 MCD GROUP - WARREN  
CISCO: 18001;  
STATUS :ACTIVE

GMBA: 000550746 GMPTG - POWERTRAIN ENGINEERING  
CISCO: 18006;  
STATUS :ACTIVE

GMBA: 000550775 CHEVROLET CENTRAL OFFICE  
CISCO: 18501;  
STATUS :ACTIVE

GMBA: 000550797 CLCD - BUICK CITY ASSEMBLY  
CISCO: 19400;  
STATUS :INACTIVE

GMBA: 000550800 CLCD - CLARK STREET  
CISCO: 19600;  
STATUS :ACTIVE

GMBA: 000550807 DELPHI E - FLINT EAST  
CISCO: 31005;  
STATUS :INACTIVE

GMBA: 000550842 DELPHI H - LOCKPORT  
CISCO: 37001;  
STATUS :INACTIVE

GMBA: 000550905 DELPHI E - GRAND RAPIDS PLANT  
CISCO: 58005;  
STATUS :INACTIVE

GMBA: 000550957 CHEMICAL RISK MANAGEMENT  
CISCO: 89150;  
STATUS :ACTIVE

GMBA: 000550976 GM TECHNICAL CENTER, TOTAL SITE  
CISCO: 96003;

STATUS :ACTIVE

GMBA: 000550978 DESIGN CENTER-WARREN

CISCO: 99003;

STATUS :ACTIVE

GMBA: 000556705 ENVIRONMENTAL SYSTEMS HELPDESK

CISCO: 99004;

STATUS :ACTIVE