



Pennzoil Products Company
a subsidiary of Pennzoil Company

MATERIAL SAFETY DATA SHEET



1. PRODUCT IDENTIFICATION

MANUFACTURER'S NAME: PENNZOIL CO., GUMOUT DIVISION

CAS NUMBER: MIXTURE
MSDS CODE: 000612

ADDRESS: P.O. BOX 2967
HOUSTON, TX 77252-2967

NFPA HAZARD IDENTIFICATION
DEGREE OF HAZARD HAZARD RATINGS
0-LEAST
HEALTH: 2 1-SLIGHT
FIRE: 1 2-MODERATE
REACTIVITY: 0 3-HIGH
4-EXTREME

EMERGENCY TELEPHONE NO.: (800) 546-6040

TRADE NAME: EVERSEAL INSTANT TIRE REPAIR

SYNONYMS: GUMOUT AIR SUPPLY TIRE SEALER AND INFLATOR

BY: HEALTH SERVICES
(800) 546-6227

EFFECTIVE DATE: DECEMBER 23, 1998
SUPERSEDES DATE: SEPTEMBER 25, 1992

2. INGREDIENTS

COMPONENT NAME CAS NUMBER	HAZARDOUS IN BLEND	PERCENTAGE		COMPONENT			UNIT
		MIN	MAX	EXPOSURE	LIMIT		
CHLORODIFLUOROMETHANE 75-45-6	YES	15	TO 30	OSHA PEL ACGIH TLV	TWA	1000	NO LIMIT PPM
CELLULOSE 9004-34-6	NO	1	TO 5	OSHA PEL ACGIH TLV			NO LIMIT NO LIMIT
SEALANT TRADE SECRET	NO	20	TO 30	OSHA PEL ACGIH TLV			NO LIMIT NO LIMIT
ETHYLENE GLYCOL 107-21-1	YES	1	TO 10	OSHA PEL ACGIH TLV	CEIL	50	NO LIMIT PPM
ORGANIC ACID	NO	0.01	TO 1	OSHA PEL ACGIH TLV			NO LIMIT NO LIMIT
WATER 7732-18-5	NO	10	TO 25	OSHA PEL ACGIH TLV			NO LIMIT NO LIMIT
PROPELLANT TRADE SECRET	YES	15	TO 30	OSHA PEL ACGIH TLV			NO LIMIT NO LIMIT
CORROSION INHIBITOR MIXTURE	NO	0.01	TO 1	OSHA PEL ACGIH TLV			NO LIMIT NO LIMIT

3. HEALTH INFORMATION AND PROTECTION

- EYE CONTACT:** AVOID EYE CONTACT. AVOID GENERATION OF MISTS AND VAPORS. UPON DIRECT CONTACT, THIS PRODUCT MAY CAUSE BURNS OR FROSTBITE. THIS PRODUCT WILL CAUSE SEVERE CORNEAL BURNS AND EYE DAMAGE. EXPOSURE TO MISTS AND VAPORS MAY BE IRRITATING TO THE EYES. SEE HEALTH DATA SECTION BELOW.
- SKIN CONTACT:** AVOID SKIN CONTACT. THIS PRODUCT MAY CAUSE MODERATE SKIN IRRITATION UPON DIRECT CONTACT. UPON DIRECT CONTACT, THIS PRODUCT MAY CAUSE BURNS OR FROSTBITE. PROLONGED OR REPEATED CONTACT MAY RESULT IN CONTACT DERMATITIS WHICH IS CHARACTERIZED BY DRYNESS, CHAPPING, AND REDDENING. THIS CONDITION MAY MAKE THE SKIN MORE SUSCEPTIBLE TO OTHER IRRITANTS, SENSITIZERS, AND DISEASE. PRE-EXISTING SKIN CONDITIONS MAY MAKE THE SKIN MORE SUSCEPTIBLE AND FACILITATE UPTAKE BY THIS ROUTE. MAY BE ABSORBED THROUGH SKIN. MAY BE SYSTEMICALLY TOXIC BY ABSORPTION.
- INHALATION:** AVOID PROLONGED INHALATION OF MIST OR VAPORS. ACUTE AND CHRONIC OVEREXPOSURES MAY BE IRRITATING TO THE RESPIRATORY TRACT. SEVERE INTOXICATION MAY LEAD TO DROWSINESS, DULLNESS, NUMBNESS, AND HEADACHE FOLLOWED BY DIZZINESS, WEAKNESS, AND NAUSEA. EXPOSURE TO EVEN HIGHER CONCENTRATIONS MAY LEAD TO LOSS OF CONSCIOUSNESS AND CONVULSIONS FOLLOWED BY DEATH. EXPOSURE TO EXTREMELY HIGH CONCENTRATIONS MAY HAVE ANESTHETIC EFFECTS BUT ARE COMPLETELY REVERSIBLE UPON CESSATION OF EXPOSURE. SEE HEALTH DATA SECTION BELOW.
- INGESTION:** DO NOT INGEST. INGESTION IS UNLIKELY. INGESTION MAY RESULT IN LUNG ASPIRATION. ASPIRATION MAY LEAD TO CHEMICAL PNEUMONITIS WHICH IS CHARACTERIZED BY PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATORY RATE, INCREASED HEART RATE, AND A BLUISH DISCOLORATION OF THE SKIN. COUGHING, CHOKING, AND GAGGING ARE OFTEN NOTED AT THE TIME OF ASPIRATION. GASTROINTESTINAL DISCOMFORT MAY DEVELOP, FOLLOWED BY VOMITTING WITH A FURTHER RISK OF ASPIRATION. INGESTION MAY CAUSE GASTROINTESTINAL DISTRESS. SEVERE ORAL INTOXICATION WILL LEAD TO INTENSE BURNING OF THE THROAT AND MAY RESULT IN DROWSINESS, DULLNESS, NUMBNESS, AND HEADACHE FOLLOWED BY DIZZINESS, WEAKNESS, AND NAUSEA. LOSS OF CONSCIOUSNESS AND CONVULSIONS FOLLOWED BY DEATH MAY RESULT. SEE HEALTH DATA SECTION BELOW.
- HEALTH DATA:** THE PROPELLANT IS A MIXTURE OF HYDROGENATED CHLOROFLUOROCARBONS (HCFCs). MAINTAIN HCFC CONCENTRATIONS BELOW TLV OF 1000 PPM, IN BREATHING ZONE OF WORKER. VAPORS ARE HEAVIER THAN AIR AND CAN SETTLE IN LOW LYING AREAS SUCH AS PITS. DENSE VAPORS CAN DISPLACE AND DEplete BREATHING AIR. HIGH VAPOR CONCENTRATIONS CAN CAUSE CENTRAL NERVOUS SYSTEM EFFECTS (DIZZINESS, UNCONSCIOUSNESS), RESPIRATORY EFFECTS (DIFFICULTY IN BREATHING) AND CARDIAC EFFECTS (RAPID HEART BEAT, LOW BLOOD PRESSURE, AND CAN CAUSE HEART TO STOP AFTER SUDDEN EXERCISE). PEOPLE WITH CARDIAC DISORDERS MUST AVOID OVER EXPOSURE TO VAPORS. ALL USE INCLUDING DEFLATING OF TIRES MUST BE IN WELL-VENTILATED AREA. A 2-YEAR RAT INHALATION STUDY WITH CHLORODIFLUOROETHAN (FC142B) INDICATED NO CHRONIC OR CARCINOGENIC EFFECTS. 142B WAS NOT MUTAGENIC TO BACTERIA, WAS NEGATIVE IN INVIVO CYTOGENETIC TESTS AND IN THE DOMINANT LET ASSAY. CHLORODIFLUOROMETHANE (FC22) PRODUCED A SMALL NUMBER OF TUMORS AT THE HIGH DOSE ONLY, IN MALE RATS, BUT NOT IN FEMALE RATS OR MALE OR FEMALE MICE. FC22 IS NOT A LISTED CARCINOGEN. ONLY AT THE HIGHEST CONCENTRATION TESTED (50 X TLV), FC22 WAS WEAKLY TERATOGENIC IN RATS, BUT NOT IN RABBITS. AT OR BELOW ITS TLV FC22 WAS NOT MUTAGENIC OR TERATOGENIC. THIS PRODUCT IS NOT CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD.

4. EMERGENCY & FIRST AID PROCEDURES

- EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING FOR 15 MINUTES UNTIL IRRITATION SUBSIDES. IF SEVERELY INJURED, ASSIST BY HOLDING VICTIM'S EYELIDS OPEN WHILE FLUSHING EYES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
- SKIN CONTACT: WASH CONTAMINATED AREA THOROUGHLY WITH SOAP AND WATER. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION. IF VICTIM IS SEVERELY BURNED, REMOVE TO A HOSPITAL IMMEDIATELY.
- INHALATION: IF BREATHING HAS STOPPED OR IS IRREGULAR, ADMINISTER ARTIFICIAL RESPIRATION AND SUPPLY OXYGEN IF IT IS AVAILABLE. IF VICTIM IS UNCONSCIOUS, REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.
- INGESTION: DO NOT INDUCE VOMITING DUE TO ASPIRATION HAZARD. IF VOMITING OCCURS LOWER HEAD BELOW KNEES TO AVOID ASPIRATION.

5. PERSONAL HEALTH PROTECTION INFORMATION

- EYE PROTECTION: WEAR PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES.
- SKIN PROTECTION: USE NEOPRENE GLOVES. LAUNDER SOILED CLOTHES. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES INCLUDING SHOES, WHICH CANNOT BE DECONTAMINATED.
- RESPIRATORY PROTECTION: RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. SECTIONS II OR III, USE A SUPPLIED AIR RESPIRATOR OR A SELF-CONTAINED BREATHING APPARATUS. ALL RESPIRATORS MUST BE NIOSH CERTIFIED.
- VENTILATION: ADEQUATE VENTILATION IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE MUST BE PROVIDED TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE OR FLAMMABLE LIMITS.
- OTHER: CONSUMPTION OF FOOD AND BEVERAGE SHOULD BE AVOIDED IN WORK AREAS WHERE HYDROCARBONS ARE PRESENT. ALWAYS WASH HANDS AND FACE WITH SOAP AND WATER BEFORE EATING, DRINKING, OR SMOKING.

6. FIRE PROTECTION INFORMATION

- FLASH POINT: NO DATA TEST METHOD: ASTM D3065
- AUTOIGNITION TEMPERATURE: NO DATA TEST METHOD: NO DATA
- FLAMMABLE LIMITS IN AIR % BY VOLUME LOWER: NO DATA UPPER: NO DATA
- EXTINGUISHING MEDIA: USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.
- SPECIAL FIRE FIGHTING PROCEDURES: WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
- UNUSUAL FIRE AND EXPLOSIVE CONDITIONS: CAUTION!--CONTENTS ARE UNDER PRESSURE AND CAN EXPLODE WHEN EXPOSED TO HEAT OR FLAMES.

7. REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): STABLE

CONDITIONS TO AVOID: THERMAL DECOMPOSITION LEADS TO INSTABILITY AVOID OPEN FLAMES, HIGH TEMPERATURES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY MATERIALS TO AVOID: AVOID CONTACT WITH MAGNESIUM

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN FLUORIDE, HYDROGEN CHLORIDE, CHLORINE

8. ENVIRONMENTAL PRECAUTIONS

STEPS TO BE TAKEN IF MATERIAL IS CONSULT HEALTH EFFECT INFORMATION IN SECTION III, PERSONAL HEALTH PROTECTION INFORMATION IN SECTION V, FIRE PROTECTION INFORMATION IN SECTION VI, AND REACTIVITY DATA IN SECTION VII. NOTIFY APPROPRIATE

RELEASED OR SPILLED: AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. PROVIDE ADEQUATE VENTILATION DURING CLEAN-UP.

WASTE DISPOSAL METHOD: ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

9. MISCELLANEOUS

HANDLING AND STORAGE REQUIREMENTS: THIS PRODUCT IS CLASSIFIED AS ORM-D (CONSUMER COMMODITY) UNDER DOT REGULATIONS. SEE 49 CFR 171 THROUGH 178 FOR SHIPPING REQUIREMENTS. DO NOT STORE AT TEMPERATURES GREATER THAN 120 F. CONTENTS UNDER PRESSURE AND CAN EXPLODE WHEN EXPOSED TO HEAT OR OPEN FLAME. CAUTION!--DO NOT PUNCTURE OR INCINERATE.

ADDITIONAL INFORMATION: THIS MIXTURE MAY BE FORMULATED IN PART WITH COMPONENTS PURCHASED FROM OTHER COMPANIES. IN MANY INSTANCES, ESPECIALLY WHEN PROPRIETARY OR TRADE SECRET MATERIALS ARE USED, PENNZOIL COMPANY MUST RELY UPON THE HAZARD EVALUATION OF SUCH COMPONENTS SUBMITTED TO PENNZOIL BY THAT PRODUCT'S MANUFACTURER OR IMPORTER.

THERE IS NO TLV OR PEL ESTABLISHED FOR CHLORODIFLUOROETHANE (FC142B). THE TLV FOR FC-22 IS 1000 PPM. ENSURE THAT CONCENTRATIONS OF FC-22 ALONE, OR OF BOTH COMPONENTS TOGETHER DO NOT EXCEED 1000 PPM.

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THIS PRODUCT CONTAINS THE FOLLOWING SARA TITLE III, SECTION 313 CHEMICALS:

ETHYLENE GLYCOL CAS# NONE WT. <5%

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DOT: PROPER SHIPPING NAME: AEROSOLS, NON-FLAMMABLE
HAZARD CLASS: 2.2 PACKING GROUP: UN/NA NUMBER: UN1950

10. PHYSICAL PROPERTIES

BOILING POINT: NOT APPLICABLE	PERCENT VOLATILE: 75.0%
MELTING POINT: NOT APPLICABLE	VAPOR DENSITY (AIR=1): >1.0
APPEARANCE: MILKY WHITE	EVAPORATION RATE (EE=1): <1.0
ODOR: SWEET ODOR	SPECIFIC GRAVITY: 1.11
VAPOR PRESSURE: 85 - 90 PSIG @ 70 F	MOLECULAR WEIGHT: VARIES
SOLUBILITY: COMPLETELY MISCIBLE IN WATER	

DISCLAIMER OF WARRANTY:

THE INFORMATION CONTAINED HEREIN IS BASED UPON DATA AVAILABLE TO US, AND REFLECTS OUR BEST PROFESSIONAL JUDGEMENT. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF SUCH DATA, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THAT ANY SUCH USE DOES NOT INFRINGE ANY PATENT. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS OF USE BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF SUCH APPLICATION. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.