



Pennzoil Products Company
a subsidiary of Pennzoil Company

MATERIAL SAFETY DATA SHEET

GUMOUT

1. PRODUCT IDENTIFICATION

MANUFACTURER'S NAME: PENNZOIL CO., GUMOUT DIVISION

CAS NUMBER: MIXTURE
MSDS CODE: 000951

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

NFPA HAZARD IDENTIFICATION

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

EMERGENCY TELEPHONE NO.: (800) 546-6040

TRADE NAME: JET SPRAY, GUMOUT CARBURETOR AND CHOKE CLEANER

SYNONYMS: STOCK #7450, STOCK #7440, STOCK #7460, JET SPRAY

BY: HEALTH SERVICES
(800) 546-6227

EFFECTIVE DATE: DECEMBER 23, 1998
SUPERSEDES DATE: AUGUST 20, 1997

2. INGREDIENTS

COMPONENT NAME CAS NUMBER	HAZARDOUS IN BLEND	PERCENTAGE		COMPONENT			UNIT
		MIN	MAX	EXPOSURE LIMIT			
LIGHT AROMATIC SOLVENT NAPHTHA 64742-95-6	YES	30	TO 50	OSHA PEL	TWA	500	PPM
				ACGIH TLV	TWA	300	PPM
HYDROTREATED LIGHT DISTILLATE 64742-47-8	NO	10	TO 30	OSHA PEL			NO LIMIT
				ACGIH TLV			NO LIMIT
METHYL ETHYL KETONE 78-93-3	YES	1	TO 7	OSHA PEL	TWA	200	PPM
				ACGIH TLV	TWA	200	PPM
				ACGIH TLV	STEL	300	PPM
ISOPROPYL ALCOHOL 67-63-0	YES	1	TO 7	OSHA PEL	TWA	400	PPM
				ACGIH TLV	TWA	400	PPM
				ACGIH TLV	STEL	500	PPM
PROPANE 74-98-6	YES	15	TO 25	OSHA PEL	TWA	1000	PPM
				ACGIH TLV			NO LIMIT
SURFACTANTS MIXTURE	NO	<	1	OSHA PEL			NO LIMIT
				ACGIH TLV			NO LIMIT

3. HEALTH INFORMATION AND PROTECTION

EYE CONTACT: AVOID EYE CONTACT. THIS PRODUCT CAN CAUSE CORNEAL BURNS, TWITCHING AND REDNESS. THESE EFFECTS ARE TRANSIENT, AND COMPLETE RECOVERY FOLLOWS.

SKIN CONTACT: AVOID SKIN CONTACT. THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON DIRECT CONTACT. 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.

INHALATION: AVOID PROLONGED INHALATION OF VAPORS. EXPOSURE TO VAPORS MAY BE IRRITATING TO THE THROAT AND LUNGS. WHEN HIGH CONCENTRATIONS ARE INHALED, HUMAN SIGNS MAY INCLUDE A REDDENING OF THE FACE AND A FEELING OF INCREASED BODY HEAT. IN ADDITION, DISTURBED VISION, DIZZINESS, TREMORS, SALIVATION, CARDIAC STRESS, DROWSINESS, DULLNESS, NUMBNESS, WEAKNESS, HEADACHE, NAUSEA, AND CONFUSION, AS WELL AS RESPIRATORY DIFFICULTIES MAY BE APPARENT. EXTREMELY HIGH CONCENTRATIONS HAVE ANAESTHETIC EFFECTS AND MAY LEAD TO DEATH. SIGNS AND SYMPTOMS FROM CHRONIC EXPOSURE RESEMBLE THOSE FROM ACUTE MISHAPS BUT ARE IN PART SYSTEMICALLY MORE SEVERE. SYMPTOMS RELATED TO THE NERVOUS SYSTEM, KIDNEYS, LIVER, HAVE BEEN REPORTED FOLLOWING LONG-TERM INHALATION EXPOSURE TO HIGH CONCENTRATIONS. SEE HEALTH DATA SECTION BELOW.

INGESTION: THERE ARE NO KNOWN ADVERSE EFFECTS BASED ON CURRENT REFERENCES. INGESTION OF SMALL QUANTITIES IS USUALLY NONFATAL UNLESS ASPIRATION OCCURS. 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 WILL CAUSE SEVERE 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.

HEALTH DATA: POTENTIALLY FATAL VAPOR CONCENTRATIONS ARE OF LEVELS APPROXIMATELY 100 FOLD THE EXPOSURE LIMITS. SUCH CONCENTRATIONS CAN ONLY BE BUILT UP IN UNVENTILATED, ENCLOSED AND CONFINED SPACES. THIS PRODUCT CONTAINS PETROLEUM NAPHTHAS AND ISOPROPYL ALCOHOL. THESE PETROLEUM NAPHTHAS AND/OR SOLVENTS ARE A COMPLEX BLEND OF LIGHT PETROLEUM DISTILLATES. SOME OF THE COMPONENTS OF THESE BLENDS ARE CONSIDERED UNIQUELY TOXIC AT HIGH CONCENTRATIONS, SUCH AS BENZENE (BONE MARROW DISORDERS INCLUDING LEUKEMIA AND ANEMIA), AND N-HEXANE (PERIPHERAL NEUROPATHY). AT THE LOW CONCENTRATIONS AT WHICH THEY ARE PRESENT IN THIS BLEND HOWEVER, AND AT THE LOW EXPOSURE LEVELS AT WHICH THEY ARE ENCOUNTERED AS VAPORS, THESE COMPONENTS DO NOT PRESENT A SIGNIFICANT RISK. LIGHT HYDROCARBONS SUCH AS STODDARD SOLVENT, VM & P NAPHTHA AND C10-C11 ISOPARAFFIN PRODUCED KIDNEY DAMAGE IN MALE RATS ONLY BUT NOT IN FEMALE RATS OR MICE. THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) HAS CONCLUDED THAT THESE KIDNEY TUMORS ARE NOT RELEVANT TO HUMANS. VARIOUS NAPHTHAS TESTED WERE NOT CARCINOGENIC IN MOUSE SKIN PAINTING BIO-ASSAYS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CONCLUDED THAT PETROLEUM SOLVENTS ARE GROUP 3 SUBSTANCES, "NOT CLASSIFIABLE AS TO THEIR CARCINOGENICITY TO HUMANS." 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 IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN CONTACT: WASH CONTAMINATED AREA THOROUGHLY WITH SOAP AND WATER. USE A HAND OR SKIN LOTION TO PREVENT DRYNESS. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION.

INHALATION: IF EXPOSURE LEVELS EXCEED THE LIMITS LISTED IN SECTION II OR III, REMOVE VICTIM FROM EXPOSURE. IF VICTIM EXHIBITS SIGNS OF VAPOR INTOXICATION REMOVE TO FRESH AIR. 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. SEEK MEDICAL ATTENTION.

5. PERSONAL HEALTH PROTECTION INFORMATION

EYE PROTECTION: PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES SHOULD BE WORN WHEN HANDLING THIS MATERIAL.

SKIN PROTECTION: USE IMPERVIOUS SYNTHETIC RUBBER CLOTHING (BOOTS, GLOVES, APRONS, ETC.) OVER PARTS OF THE BODY SUBJECT TO EXPOSURE. LAUNDRY SOILED CLOTHES.

RESPIRATORY PROTECTION: RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, USE AN ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER. ALL RESPIRATORS MUST BE NIOSH CERTIFIED.

VENTILATION: GENERAL ROOM VENTILATION IS NORMALLY SUFFICIENT. IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, 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: 36" TEST METHOD: CPSC 1500.45

AUTOIGNITION TEMPERATURE: NO DATA TEST METHOD: NO DATA

FLAMMABLE LIMITS IN AIR % BY VOLUME LOWER: NO DATA UPPER: NO DATA

EXTINGUISHING MEDIA: USE WATER SPRAY (FOG), DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES: WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME.

UNUSUAL FIRE
AND EXPLOSIVE
CONDITIONS:

DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION. 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: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY MATERIALS TO AVOID: MAY REACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

8. ENVIRONMENTAL PRECAUTIONS

STEPS TO BE
TAKEN IF
MATERIAL IS
RELEASED OR
SPILLED:

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 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. ABSORB WITH SOLVENT ABSORBENT MATERIAL. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

WASTE DISPOSAL
METHOD:

ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A RCRA WASTE. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION! IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY.

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. ALL IGNITION SOURCES IN THE AREA SHOULD BE CONTROLLED. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. SEE NFPA 30 AND OSHA 1910.106--FLAMMABLE AND COMBUSTIBLE LIQUIDS. 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. THIS PRODUCT IS A CONTROLLED SUBSTANCE UNDER THE CANADIAN WHMIS REGULATIONS. THIS PRODUCT IS CLASSIFIED AS CLASS B DIV 5, - FLAMMABLE AEROSOLS. CLASS D, DIV 2, SUB DIV B - TOXIC MATERIAL. UNDER CANADIAN TRANSPORTATION OF DANGEROUS GOODS REGULATIONS, THIS PRODUCT IS CLASSIFIED AS AEROSOLS, 2.1, UN1950.

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.

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

METHYL ETHYL KETONE	CAS# 78-93-3	WT. 7%
1,2,4-TRIMETHYLBENZENE	CAS# 95-63-6	WT. 14%

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ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY.

***THIS PRODUCT MAY CONTAIN THE FOLLOWING CHEMICAL(S) LISTED ON CALIFORNIA'S PROPOSITION 65 AS KNOWN TO THE STATE TO CAUSE CANCER: BENZENE < 5 PPB ***

DOT (NON-BULK): CONSUMER COMMODITY, ORM-D

10. PHYSICAL PROPERTIES

BOILING POINT: NOT APPLICABLE	PERCENT VOLATILE: < 75%
MELTING POINT: NOT APPLICABLE	VAPOR DENSITY (AIR=1): 3 - 5
APPEARANCE: CLEAR STRAW COLORED LIQUID	EVAPORATION RATE (EE=1): > 1
ODOR: SOLVENT ODOR	SPECIFIC GRAVITY: 0.84
VAPOR PRESSURE: 48 PSIG @ 68 F	MOLECULAR WEIGHT: VARIES
SOLUBILITY: INSOLUBLE IN WATER, SOLUBLE IN HYDROCARBONS	

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.