MATERIAL SAFETY DATA SHEET

PENNZOIL COMPANY

I PRODUCT IDENTIFICATION

Manufacturer's Name	PENNZOIL CO., GUMOUT DIVISION	CAS Number: MIXTURE MSDS Code: 000621	
Address	710 GATEWAY CENTER #4 PITTSBURGH, PENNSYLVANIA 15222-1469	NFPA Hazard Identification Degree of Hazard: Health: 1, Fire: 3, Reactivity: 0 Hazard Ratings: 0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 - Extreme	
Emergency Telephone No.	(713) 236-6070		
Trade Name	GUMOUT STEAM ENGINE CLEANER AND DEGREASER	#7575	
Synonyms	PETROLEUM HYDROCARBON		

II INGREDIENTS

COMPONENT NAME / CAS NUMBER	HAZARDOUS IN BLEND	PERCENTAGE MIN	PERCENTAGE MAX	COMPONENT EXPOSURE LIMITS			UNITS
PETROLEUM DISTILLATE MIXTURE	YES	10.00 TO	20.00	OSHA PEL			NO LIMIT
				ACGIH TLV			NO LIMIT
XYLENE				OSHA PEL	TWA	435.0000	MG/M3
1330-20-7	YES	10.00 TO	20.00	ACGIH TLV	TWA	435.0000	MG/M3
				ACGIH TLV	STEL	655.0000	MG/M3
EMULSIFIER				OSHA PEL			NO LIMIT
TRADE SECRET	NO	<	1.00	ACGIH TLV			NO LIMIT
RUST INHIBITOR				OSHA PEL			NO LIMIT
TRADE SECRET	NO	<	1.00	ACGIH TLV			NO LIMIT
WATER				OSHA PEL			NO LIMIT
7732-18-5	NO	54.00 TO	80.00	ACGIH TLV			NO LIMIT
RUST PREVENTATIVE				OSHA PEL			NO LIMIT
TRADE SECRET	NO	<	1.00	ACGIH TLV			NO LIMIT
ACID (FOR PH ADJUSTMENT)				OSHA PEL			NO LIMIT
TRADE SECRET	NO	<	1.00	ACGIH TLV			NO LIMIT
NON-FLAMMABLE PROPELLANT				OSHA PEL			NO LIMIT
TRADE SECRET	NO	<	1.00	ACGIH TLV			NO LIMIT
CHELATING AGENT							
TRADE SECRET	NO	<	1.00				

BY: ENVIRONMENTAL, SAFETY & HEALTH (713) 546-8512 — EFFECTIVE DATE: FEBRUARY 05, 1990

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REQUIRED UNDER USDL SAFETY AND HEALTH REGULATIONS FOR SHIP REPAIRING, SHIPBUILDING, AND SHIPBREAKING (29 CFR 1915, 1916, 1917).

III HEALTH EFFECT INFORMATION:

EYE CONTACT	AVOID EYE CONTACT. THIS PRODUCT HAS NOT BEEN TESTED FOR ACUTE EYE HAZARDS. THIS PRODUCT CAN CAUSE CORNEAL BURNS, TWITCHING AND REDNESS. THESE EFFECTS ARE TRANSIENT, AND COMPLETE RECOVERY FOLLOWS.
SKIN CONTACT	AVOID SKIN CONTACT. THIS PRODUCT HAS NOT BEEN TESTED FOR ACUTE DERMAL EFFECTS. THIS PRODUCT IS EXPECTED TO BE PRACTICALLY NON-IRRITATING 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. SEE HEALTH DATA SECTION BELOW.
INHALATION	THIS PRODUCT HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BE TAKEN TO PREVENT AEROSOLIZATION OR MISTING OF THIS PRODUCT. EXPOSURE TO VAPORS GENERATED UNDER UNUSUAL CONDITIONS MAY BE MILDLY IRRITATING TO THE NOSE AND THROAT. SEVERE INTOXICATION MAY LEAD TO DROWSINESS, DULLNESS, NUMBNESS, AND HEADACHE FOLLOWED BY DIZZINESS, WEAKNESS, AND NAUSEA.
INGESTION	DO NOT INGEST. THIS PRODUCT HAS NOT BEEN TESTED FOR HAZARDS RESULTING FROM INGESTION. INGESTION IS EXPECTED TO BE RELATIVELY NON-TOXIC UNLESS ASPIRATION OCCURS. SEE HEALTH DATA SECTION BELOW.
HEALTH DATA	THIS PRODUCT HAS NOT BEEN EVALUATED AS A WHOLE FOR TOXICOLOGICAL PROPERTIES. IT IS FORMULATED WITH 20%-40% PETROLEUM DISTILLATES AND PETROLEUM SOLVENTS, WHICH ARE SKIN AND EYE IRRITANTS. UPON ASPIRATION, PETROLEUM DISTILLATES AND SOLVENTS MAY CAUSE CHEMICAL PNEUMONITIS, WHICH IS CHARACTERIZED BY PULMONARY EDEMA AND HEMORRHAGE. SKIN IRRITATION, EYE IRRITATION OR PNEUMONITIS ARE NOT EXPECTED UPON DIRECT CONTACT WITH THIS PRODUCT, AS THE PETROLEUM DERIVED CONSTITUENTS ARE DILUTED WITH MORE THAN 50% WATER. ***** THIS PRODUCT IS NOT CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD. *****

V PERSONAL HEALTH PROTECTION INFORMATION

EYE PROTECTION	PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES SHOULD BE WORN WHEN HANDLING THIS MATERIAL..
SKIN PROTECTION	NO SKIN PROTECTION IS REQUIRED FOR SINGLE, SHORT DURATION EXPOSURES. FOR PROLONGED OR REPEATED EXPOSURES, USE IMPERVIOUS SYNTHETIC RUBBER CLOTHING (BOOTS, GLOVES, APRONS, ETC.) OVER PARTS OF THE BODY SUBJECT TO EXPOSURE.
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. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.
VENTILATION	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.

IV. EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT	IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED AREA THOROUGHLY WITH SOAP AND WATER. IF REDNESS OR IRRITATION OCCURS, SEEK MEDICAL ATTENTION.
INHALATION	THIS MATERIAL HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION EXPOSURE AT AMBIENT CONDITIONS. IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, REMOVE VICTIM FROM EXPOSURE. 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. SEEK IMMEDIATE MEDICAL ATTENTION.

VI. FIRE PROTECTION INFORMATION

FLASH POINT	80F	TEST METHOD	P.M.C.C.
AUTOIGNITION TEMPERATURE	NO DATA	TEST METHOD	NO DATA
FLAMMABLE LIMITS IN AIR % BY VOL.	LOWER NO DATA	UPPER NO DATA	

EXTINGUISHING MEDIA	USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.
SPECIAL FIRE FIGHTING PROCEDURES	
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.

VII 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

VIII 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.

IX 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.
ADDITIONAL INFORMATION	THIS MIXTURE MAY BE FORMULATED IN PART WITH COMPONENTS 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 COMPONENT SUBMITTED TO PENNZOIL BY THAT PRODUCT'S MANUFACTURER OR IMPORTER. ****** THE OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) FOR PETROLEUM DISTILLATES IS 2000 MG/M3. NIOSH HAS RECOMMENDED A 10-HR TWA OF 100MG/M3 FOR KEROSENE.

X PHYSICAL PROPERTIES

BOILING POINT	200F-280F (LIGHTEST COMPONENT)	PERCENT VOLATILE	N/A
MELTING POINT	N/A	VAPOR DENSITY (AIR=1)	N/A
APPEARANCE	TRANSLUCENT LIQUID.	EVAPORATION RATE (EE=1)	N/A
ODOR	PETROLEUM SOLVENT ODOR.	SPECIFIC GRAVITY	0.94
VAPOR PRESSURE	N/A	MOLECULAR WEIGHT	VARIES
SOLUBILITY	SOLUBLE IN HYDROCARBONS.		