

MATERIAL SAFETY DATA SHEET



I. PRODUCT IDENTIFICATION

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

II. INGREDIENTS

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

BY: ENVIRONMENTAL, SAFETY & HEALTH
(713) 546-8512

EFFECTIVE DATE: FEBRUARY 05, 1990

DISCLAIMER OF WARRANTY:

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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 COMMOITY) 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-250F (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.		