

PENRAY COMPANY  
440 DENNISTON COURT  
WHEELING, ILLINOIS 60090

Product: 0312 TAR REMOVER -  
SPRAY

MSDS No: PEN / 4  
Revision: 4  
Date: July 17, 1989

National Paint  
and Coatings  
Association  
  
Hazardous Material  
Identification  
System

HEALTH HAZARD	2 - Moderate
FLAMMABILITY HAZARD	4 - Severe
REACTIVITY HAZARD	0 - Minimal
PERSONAL PROTECTION	B - Glasses, Gloves

Discontinued  
3/96

#### SECTION I. MATERIAL IDENTIFICATION

Trade/Material Name: 0312 TAR REMOVER - SPRAY

Description: TAR REMOVER

Chemical Name: PETROLEUM DISTILLATE

Manufacturers: PENRAY COMPANY

Phone: 708-459-5000

24 HR. MEDICAL EMERGENCY

Phone: 800-942-5969

#### SECTION II. INGREDIENTS AND HAZARDS

Ingredient Name:	CAS Number:	Percent:	Exposure Limits:
#1 FUEL OIL	8008-20-6	52	TLV:500 PPM
TOLUENE *	108-88-3	23	PEL:100 PPM; TLV:100 PPM-SKIN; STEL:150 PPM
PROPANE-ISOBUTANE-N-BUTANE	68476-86-8	25	TLV:1000 PPM

SKIN ABSORPTION MAY POTENTIALLY CONTRIBUTE TO THE OVERALL EXPOSURE TO THIS PRODUCT.

SARA (TITLE III):

THIS PRODUCT DOES NOT CONTAIN INGREDIENTS LISTED AS EXTREMELY HAZARDOUS UNDER SECTION 302. IF STORED IN EXCESS OF THE THRESHOLD QUANTITY, THIS PRODUCT SHOULD BE REPORTED UNDER SECTION 311 AND 312 AS A(N):

- |                         |                                   |
|-------------------------|-----------------------------------|
| - FIRE HAZARD           | - IMMEDIATE (ACUTE) HEALTH HAZARD |
| - SUDDEN RELEASE HAZARD | - DELAYED (CHRONIC) HEALTH HAZARD |

\* THE INDICATED SUBSTANCES ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313.

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### SECTION III. PHYSICAL DATA

Appearance & Odor: PALE YELLOW LIQUID - PETROLEUM ODOR

Boiling point: 104°F	Evaporation rate: (ETHYL ETHER=
Vapor pressure: 22 MMHG (TOLUENE)	1) 4.5
Water solubility (%): INSOLUBLE	(TOLUENE)
Vapor density (air=1): 3-5 ESTIMATED	Specific gravity (H <sub>2</sub> O=1): 0.82
	% volatile by volume: 100

THIS PRODUCT IS IN AEROSOL FORM. INFORMATION PROVIDED DOES NOT APPLY TO THE PROPELLANT PORTION (68476-86-8) OF THE FORMULA.

### SECTION IV. FIRE AND EXPLOSION DATA

Flash Point (method): 74°F (TOC) Limits: LEL %: NOT ESTABLISHED UEL %: NOT ESTABLISHED

NEPA Flammable/Combustible Liquid Classification: IB

NEPA Fire Hazard Symbol Codes: Flammability: 4 Health: 2 Reactivity: 0 Special:

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM

Unusual fire or explosion hazards: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A GREAT DISTANCE ALONG THE GROUND TO AN IGNITION SOURCE AND FLASHBACK.

DO NOT CUT OR WELD ON OR NEAR CONTAINER AS PRODUCT OR PRODUCT RESIDUE CAN IGNITE EXPLOSIVELY.

Special fire-fighting procedures: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING THIS PRODUCT.

FLASH POINT INFORMATION IS FOR THE NON-PROPELLANT PORTION OF THE FORMULA ONLY.

### SECTION V. REACTIVITY DATA

Material IS stable Hazardous polymerization CANNOT occur

Chemical incompatibilities: STRONG OXIDIZING AGENTS

Conditions to avoid: HIGH TEMPERATURES

Hazardous decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, VARIOUS HYDROCARBONS.

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## SECTION VI. HEALTH HAZARD INFORMATION

This product IS NOT considered a carcinogen by OSHA, NTP, IARC.

**Summary of risks:** CONTACT WITH EYES CAUSES SEVERE IRRITATION. PROLONGED CONTACT WITH SKIN MAY CAUSE MODERATE IRRITATION AND INCREASE THE POSSIBILITY OF SKIN ABSORPTION. EXCESSIVE BREATHING OF VAPORS CAUSES NASAL AND RESPIRATORY IRRITATION.

**Medical conditions which may be aggravated by contact:** PRE-EXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

**Target organs:** LIVER

**Primary entry route(s):** INHALATION, SKIN ABSORPTION

**Acute effects:** EYE, SKIN, AND RESPIRATORY IRRITATION.

**Chronic effect(s):** OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE RESPIRATORY TRACT IRRITATION, CNS DEPRESSION, LIVER AND KIDNEY DAMAGE, AND BRAIN CELL DAMAGE.

**Signs & symptoms of overexposure:**

**Eye contact:** REDNESS, TEARING, BLURRED VISION.

**Skin contact:** REDNESS, DRY SKIN

**Inhalation:** DIZZINESS, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS.

**Ingestion:** NAUSEA, VOMITING, AND DIARRHEA.

**First aid:**

**Eye contact:** FLUSH WITH WATER FOR 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. SEE A PHYSICIAN.

**Skin contact:** WASH WITH SOAP AND WATER.

**Inhalation:** REMOVE TO FRESH AIR. RESTORE NORMAL BREATHING. KEEP PERSON WARM AND QUIET. GET MEDICAL ATTENTION.

**Ingestion:** CALL A PHYSICIAN OR LOCAL POISON CONTROL CENTER IMMEDIATELY FOR INSTRUCTIONS.

ASPIRATION INTO LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. CHEMICAL PNEUMONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING, CYANOSIS (BLUISH SKIN); IN SEVERE CASES DEATH MAY OCCUR.

## SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

**Spill / Leak procedures:** SMALL SPILL - CONTAIN AND COLLECT WITH INERT ABSORBENT.

LARGE SPILL - ELIMINATE ALL IGNITION SOURCES. VENTILATE AREA. PERSONS NOT INVOLVED IN THE CLEAN-UP, AND NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EVACUATED. CONTAIN AND COLLECT PRODUCT WITH INERT ABSORBENT. PLACE IN CLOSED CONTAINERS WITH NON-SPARKING TOOLS. PREVENT PRODUCT FROM ENTERING WATER SUPPLY.

**Waste management / Disposal:** DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

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#### SECTION VIII. SPECIAL PROTECTION INFORMATION

**Personal protective equipment:**

Goggles: CHEMICAL SPLASH GOGGLES

Gloves: NITRILE RUBBER

Respirator: AIR-SUPPLIED MASK IN CONFINED AREA OR IN EMERGENCY SITUATIONS.

**Workplace considerations:**

Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

**Safety stations:**

EYE WASH STATIONS

**Contaminated equipment:**

LAUNDER BEFORE RE-USE.

Other: WEAR IMPERVIOUS CLOTHING AND BOOTS TO PREVENT PROLONGED OR REPEATED SKIN CONTACT

PERSONAL PROTECTIVE EQUIPMENT SUGGESTIONS PERTAIN MAINLY TO EMERGENCY SITUATIONS INVOLVING A LARGE QUANTITY OF PRODUCT. EYE PROTECTION AND CLOTHING TO PREVENT PROLONGED SKIN CONTACT IS SUFFICIENT UNDER CONDITIONS OF NORMAL USE.

#### SECTION IX. SPECIAL PRECAUTIONS

Special handling / storage: EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES WHICH MAY BE CONSIDERED HAZARDOUS. ALL PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE FOLLOWED.

Other precautions: OVEREXPOSURE TO THE INGREDIENTS IN THIS PRODUCT HAS APPARENTLY BEEN FOUND TO CAUSE LIVER ABNORMALITIES, KIDNEY DAMAGE, LUNG DAMAGE, AND SPLEEN DAMAGE IN LABORATORY ANIMALS.

DOT Class: CONSUMER COMMODITY ORM-D,  
CLEANING COMPOUND NOI, CLASS

Prepared/revised by: R.W. KLUG

October 30, 1989

THIS PRODUCT MATERIAL SAFETY DATA SHEET PROVIDES HEALTH AND SAFETY INFORMATION. THE PRODUCT IS TO BE USED IN APPLICATIONS CONSISTENT WITH OUR PRODUCT LITERATURE. INDIVIDUALS HANDLING THIS PRODUCT SHOULD BE INFORMED OF THE RECOMMENDED SAFETY PRECAUTIONS AND SHOULD HAVE ACCESS TO THIS INFORMATION. FOR ANY OTHER USES, EXPOSURES SHOULD BE EVALUATED SO THAT APPROPRIATE HANDLING PRACTICES AND TRAINING PROGRAMS CAN BE ESTABLISHED TO ENSURE SAFE WORKPLACE OPERATIONS. PLEASE CONSULT YOUR LOCAL SALES REPRESENTATIVE FOR ANY FURTHER INFORMATION.