



SAFETY DATA SHEET (SDS)

PENETREX CLEAR

SECTION 1: IDENTIFICATION

Product Name: Penetrex Clear
Product Use: Clear Rust Preventative
Product Code(s): S-500PB, S-560PB, S-520PB

Supplier:
Sym-Tech Inc.
P.O. Box 430, Stn A
Scarborough ON
M1K 5C3
1-800-363-5796
Emergency Tel. 1-613-996-6666 CANUTEC for 24HR emergency information

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of Substance of mixture:

GHS PRODUCT CLASSIFICATION	GHS CLASSIFICATION
Flammability (1-3=flammable, 4=combustible, 5=non-flammable)	Category 4 – Combustible (USA only)
Acute Toxicity (1=most severe, 4=least)	Category 4 – Harmful if swallowed
Skin Irritation (1=most severe, 4=least)	Category 3 – Causes mild skin irritation
Eye Irritation (1=most severe, 4=least)	Category 2B – Causes serious eye irritation

STOT = Specific Target Organ Toxicity:	GHS CLASSIFICATION
STOT SE/acute	Not classified
STOT RE/chronic	Not classified

LABEL ELEMENTS:	
Signal Word	Warning
Hazard Statements	H227 – Combustible liquid. Contains aliphatic petroleum distillate.
Skin:	H316 – Cause mild skin irritation
Eyes:	H319 – Causes serious eye irritation
Inhalation:	H333 – May be harmful if inhaled
Ingestion:	H302 – Harmful if swallowed

Target Organs

Skin/Eye Irritant

Acute Effects

May cause some irritation to skin, eyes

Chronic Effects

May cause some irritation to skin, eyes

Symbol



GHS Precautionary Statements:

P202:

Do not handle until all safety precautions have been read & understood.

P210:

Keep away from heat/sparks/open flames/hot surfaces.

P233:

Keep container tightly closed.

P261:

Avoid breathing dust / fume / gas / mist / vapours / spray / aerosol.

P262:

Do not get in eyes, on skin or on clothing.

P264:

Wash hands thoroughly after handling.

P260:

Do not breath mist/ vapours / spray

P262:

Do not get in eyes, on skin, or on clothing

P264:

Wash thoroughly after handling

P270:

Do not eat, drink, or smoke when using this product.

P280:

Wear protective gloves / eye protection / face protection

P281:

Use personal protective equipment as required

Response:

P302+P264+P332+P313 – If on Skin:

Wash thoroughly after handling. Get medical advice/attention if skin irritation occurs.

P305+P351+P338+P337+P313 – If in Eyes:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Get medical advice/attention if eye irritation persists.

P304+P41+P309+P313 – If Inhaled:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

P301+P330+P331+P301+P310 – If Ingested:

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

P306+P363 – If on Clothing:

Wash contaminated clothing before reuse.

P404+P233+P411+P235 – Storage:

Store in a well-ventilated place. Keep container tightly closed. Store at temperatures not exceeding 200°C/392°F.

Disposal:

Dispose according to local regulations.

SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Mixture: (ingredient/CAS/EU List No/% or range)

Ingredient	CAS#	EC List No.	%	GHS Classification
Sulfonic acids, petroleum, overbased calcium salts	68783-96-0	272-213-9	35-65	Not applicable
Aliphatic petroleum distillate	54742-88-7		<50%	Not applicable

SECTION 4: FIRST-AID MEASURES

Inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a POISON CONTROL CENTER/doctor/physician if you feel unwell.
Skin/Hair Contact:	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, and continue rinsing. If eye irritation occurs, get medical advice/attention.
Ingestion:	Do not induce vomiting. Seek medical advice immediately and show this container or label.
Important Symptoms/Effects, both Acute & Delayed:	Seek medical attention in the event of any allergic reaction, excessive irritation and/or difficulty breathing.

SECTION 5: FIRE-FIGHTING MEASURES

Product is liquid, contains petroleum oil and may burn.

Extinguishing Media:	In case of fire: Extinguish preferable with dry chemicals, carbon dioxide or foam. Water may be used to cool and protect exposed metals.
Special Fire Fighting Procedures:	Fire fighters should wear complete protective equipment including self-contained breathing apparatus. Chemical protection suit. Keep containers cool by spraying with water if exposed to fire.
Hazards Arising from the Substance or Mixture:	Mixture may contain oil(s) which burn with air particularly in enclosed spaces. Mainly oxides of carbon and water with small amounts of unidentified organic compounds. Water may cause splattering. Material will float on water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment & Clean Up:	Small spillages: Cover spills with inert absorbent material. Transfer to a lidded container for disposal and recovery.
Environmental Precautions:	Avoid release into the environment.
Precautions, Protective Equipment & Emergency Procedures:	Personal protective equipment must be worn. See personal Protection Section (Section 8) for recommendations. Ventilate areas if spilled in confined space or other poorly ventilated areas. Prevent entry into sewer or water course. Collect free liquid for recycled or disposal. Residual liquid can be absorbed in inert material and collected in a container for disposal.

SECTION 7: HANDLING AND STORAGE

Storage:	Store in a well-ventilated area. Keep container tightly closed. Storage Temp: Ambient Storage Life: Stable under normal conditions Incompatible materials: None known
Handling:	Use only outdoors or in a well-ventilated area Indoor Use: Provide adequate ventilation, including appropriate local extraction. Wear protective gloves/protective clothing/eye protection/face protection. See section 8. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:	Minimize breathing vapor, mist or fumes. Avoid prolonged contact with skin and eyes. Do not eat, drink or smoke while using. Wash skin with soap and water after contact. Launder contaminated clothing.
Appropriate Engineering Controls:	Provide adequate ventilation, including appropriate local extraction. A washing facility/water for eye and skin cleaning purposes should be present.
Respirator Protection:	Wear suitable respiratory protective equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
Skin Protection:	Wear protective gloves. Plastic or synthetic rubber (nitrile) gloves.
Eye/Face Protection:	Wear protective eye glasses for protection against liquid splashes. Wear eye protection with side protection (EN166 or ANSI Z78.1) may be appropriate.

Occupational Exposure Limits:

Substance	CAS No.	LEL (8hr TWA ppm)	LEL (8hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note: TLV
Sulfonic acids, petroleum, overbased calcium salts	68783-96-0					
Aliphatic petroleum distillate	64742-88-7	100 ppm			10 mg/m ³	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Solid, Liquid, Gas, other	Liquid
Appearance	Viscous Liquid
Odour	Hydrocarbon odour
Odour Threshold	Not determined
Color	Amber
Boiling Point:	>100°C
Flashpoint:	>145°F (63°C)
Evaporation Rate:	Slower than Bu Acetate
Vapour Density:	Not determined
Relative Density:	Not determined
Flammability (solid, gas):	Non-Flammable (FP>200°F) Caution Combustible
Upper/lower flammability or explosive limits:	LEL – not known UEL – not known
Specific Gravity:	~1.04
Vapour Pressure:	Not determined
Solubility in Water:	Immiscible
Solubility in Alcohol:	Not determined
Solubility in Mineral Spirits/Solvents:	Soluble
Solubility in Oil:	Soluble
Auto-ignition Temperature:	>100°C
Decomposition Temperature:	>100°C
Melting Point:	Not determined
pH:	Not applicable
Viscosity, ASTM D2196:	10,000-65,000 cPs @ 25°C (Brookfield RTV, #7 @ 10 rpm)
Explosive Properties:	None expected
Oxidizing Properties:	None expected
Pounds per Gallon:	8.5
Non-Volatile, Wt%:	50 minimum ASTM D-2369
Total Base Number, mg KOH/g:	150-250 ASTM D-2896

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Reactivity:	Stable under normal conditions
Possibility of Hazardous Reactions:	Stable under normal conditions
Hazardous Polymerization:	Will not occur
Materials to Avoid:	Oxidizing agents. May react with strong alkali and acids
Conditions to Avoid:	Keep away from heat (>200°F), hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hazardous Decomposition Products:	Aldehydes. Oxides of calcium, carbon, and sulfur.
Hazardous Polymerization:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Flammability:	Category 4 Combustible (USA only)
Acute Toxicity Rating:	Category 4 Oral (ATE), Harmful if swallowed
Inhalation:	Inhalation toxicity rating: not classified - mists may irritate mucous membranes and upper respiratory tract.
Skin Contact:	Category 3 - May causes mild skin irritation.
Eye Contact:	Category 2B - May causes serious eye irritation.
Corrosivity:	Not classified
Carcinogenicity:	Not classified
Sensitization:	It is not a skin sensitizer.
Mutagenicity:	Not classified
Toxicity for reproduction:	None anticipated
STOT SE/acute:	Not classified
STOT RE/chronic:	Not classified

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity:	Toxicity to aquatic organisms – not determined.
Persistence and Degradability:	Product biodegradable in water and persistence - Not determined.
Boiaccumulative Potential:	Not determined.
Mobility on Soil:	Product mobility into the soil has not been determined. Oil Soluble.

SECTION 13: DISPOSAL CONSIDERATIONS

Materials, if discarded is not expected to be a characteristic waste. Dispose of in accordance with provincial, state, federal and international regulations.

SECTION 14: TRANSPORT INFORMATION

For Industrial/Professional Use Only-Keep out of reach of Children.

DOT:	Combustible liquid, N.O.S.
Proper shipping name:	Combustible liquid, N.O.S. (contains petroleum naphtha), combustible, NA1993, PG III
Transport Hazard Class(s):	None; not classified if shipped in a container of 119 gallons or less.
Packing Group:	PG III
Environmental Hazards:	Not classified
Transport in Bulk:	Not classified
Special Precautions for Users:	Not classified

SECTION 15: REGULATORY INFORMATION

OSHA: Toxic and Hazardous Substances (29 CFR 1910; Subpart Z)	None
TSCA: (Toxic Substances Control Act) Status	All ingredients are listed on the TSCA inventory.
CERCLA RQ:4	None
SARA 302 Components:	None
SARA 313 Components:	None
Workplace Hazardous Information System (WHMIS)	None

SECTION 16: PREPARATION AND OTHER INFORMATION

Occupational Exposure Limit (for aliphatic petroleum distillates):	PEL/TLV: 100 ppm STEL: 10 mg/M3
Acute Toxicity Data (for aliphatic petroleum distillates):	Acute Oral LD50: >4 g/Kg rat Acute Dermal: >2 g/Kg rat Acute Inhalation LC50: Not applicable
Supplemental Health Information:	Male rats exposed for 90 days by inhalation to vapours of solvents similar to mineral spirits showed evidence of kidney damage. The relevance of this effect to humans is unknown. In one of the studies, a low-grade anemia was also observed. Rats exposed for 4 months to 1700 ppm concentration of a similar solvent showed evidence of kidney damage. These effects were not seen in rats exposed for one year to 350 ppm of another similar solvent. In response to TSCA Test Rule, several studies of a compound similar to mineral spirits have showed negative results in mutagenicity and neurotoxicity. In a mouse developmental effects study, reduced fetal body weight was seen but to no teratogenicity. A rat reproductive effects study demonstrated toxicity but little effect on reproductive parameters effects study demonstrated.

NFPA

Health 2
Fire 2
Reactivity 0

HMIS

Health N/A
Fire N/A
Reactivity N/A

NFPA Code: 0=least,, 1=slight, 2=moderate, 3=high,
4=extreme

Legend:

LTEL = Long Term Exposure Limit
STEL = Short Term Exposure Limit
STOT = Specific Target Organ Toxicity

PREPARED BY:**PHONE NUMBER:****EMERGENCY:****EMERGENCY NUMBER:****PREPARATION DATE:****EXPIRES:**

WHMIS Committee

1-800-363-5796

This SDS is Registered with CANUTEC

For 24hr Information call 613-996-6666

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