Safety Data Sheet

1. Identification

Product Information. 19680

Product Name: PENETRATOR PT

Recommended Use. Performance additive

Uses advised against. No information available

Supplier. Kop-Coat, Inc.
3040 William Pitt Way
Pittsburgh, PA 15238
412-227-2700

Emergency telephone number. Chemtrec: +1-800-424-9300 USA
Chemtrec: +1-703-527-3887 ex-USA

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200
Reproductive Toxicity, category 1B
Serious Eye Damage, category 1
Skin Irritation, category 2

GHS Pictograms

Signal Word
Danger

Unknown Acute Toxicity
< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS
Causes skin irritation.
Causes serious eye damage.
May damage fertility or the unborn child.

Precautionary Statements - Prevention.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash face and hands and any exposed skin thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, face protection

Precautionary Statements - Response.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Immediately call a poison center or doctor.
Specific treatment (If applicable, see label for any additional instructions).
Take off contaminated clothing and wash it before reuse.

Precautionary Statements - Storage.
Store locked up.

Precautionary Statements - Disposal.
Dispose of contents in accordance with local, regional, national, international regulations.

3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %
Trialkyl nitrogen oxide compounds	Proprietary	25-50
Borates	Proprietary	0.1-1.0

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid Measures

Description of first-aid measures.

General advice.
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation.
Move to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Skin contact.
Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician or poison control center immediately.

Eye contact.
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.

Ingestion.
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Risk of product entering the lungs on vomiting after ingestion. Gently wipe or rinse the inside of the mouth with water. If a person vomits when lying on his back, place him in the recovery position.

Symptoms.
No information available.

Notes to physician.
Treat symptomatically. Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung edema or pneumonia. There is no specific antidote for effects from overexposure to this material.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.
Use:. Water spray. Carbon dioxide (CO_2). Foam. Dry chemical. Cool containers with flooding quantities of water until well after fire is out.

Extinguishing media which shall not be used for safety reasons.
None known based on information supplied.

Special hazards arising from the substance or mixture.

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Advice for firefighters.

Use personal protective equipment.
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Cool closed containers exposed to fire with water spray.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep people away from and upwind of spill/leak. Stop leak if you can do it without risk. Do not get in eyes, on skin, or on clothing. Thoroughly decontaminate all protective equipment after use. Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

Advice for emergency responders.

Use personal protection recommended in Section 8.

Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up.

Methods for Containment.

Dike far ahead of spill; use dry sand to contain the flow of material. Prevent further leakage or spillage if safe to do so. Cover liquid spill with sand, earth or other noncombustible absorbent material. Use personal protective equipment.

Methods for cleaning up.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Clean contaminated surface thoroughly. Keep in suitable and closed containers for disposal. Ventilate the area. Use personal protective equipment as required. Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Ensure adequate ventilation. Use according to package label instructions. Keep container closed when not in use. Do not get in eyes, on skin, or on clothing.

Hygiene measures.

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Do not get in eyes, on skin, or on clothing.

Storage Conditions.

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep away from food, drink and animal feedingstuffs. Freeze / thaw stable.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Borates	2 mg/m^3 (STEL) (inhalable)	6 mg/m^3 (inhalable)	N.E.	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal protective equipment.

Eye/Face Protection.

Tightly fitting safety goggles. If splashes are likely to occur, wear:. Face-shield.

Skin and body protection.

Wear protective gloves/ protective clothing. Chemical resistant apron. Nitrile rubber. Neoprene gloves. Long sleeved clothing. Protective shoes or boots. Gloves must be rinsed thoroughly after use. Gloves must be inspected prior to use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove and wash contaminated clothing before re-use.

Respiratory protection.

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection. If exposure limits are exceeded or irritation is experienced, respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	No Information
Color	light yellow
Odor	Mild
Odor Threshold	No Information
pH	7.0
Melting/freezing point., °C (°F)	No Information
Flash Point., °C (°F)	>100 (>212.00)
Boiling point/boiling range., °C (°F)	100 - 100 (212 - 212)
Evaporation rate	No Information Available
Explosive properties.	No Information
Vapor pressure.	No Information
Vapor density.	No Information
Specific Gravity. (g/cm^3)	0.962
Water solubility.	No Information
Partition coefficient.	No Information
Autoignition temperature.,°C	No Information
Decomposition Temperature °C.	No Information
Viscosity, kinematic.	No Information

Other information.

Volatile organic compounds (VOC) content.	0
Density, lb/gal	8.010

10. Stability and Reactivity

Reactivity.

No dangerous reaction known under conditions of normal use.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.
None under normal processing.

Conditions to Avoid.
None known based on information supplied.

Incompatible Materials.
No materials to be especially mentioned.

Hazardous Decomposition Products.
Thermal decomposition can lead to release of irritating gases and vapors.

11. Toxicological Information

Information on toxicological effects.

Acute toxicity.

Product Information

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 2,834.5 mg/kg

Component Information.

CAS-No.	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Proprietary	Trialkyl nitrogen oxide compounds	846 mg/kg (rat)	N.I.	N.I.
Proprietary	Borates	2500 mg/kg (rat)	N.I.	> 2.0 mg/L (rat) (Dust)

N.I. = No Information

Skin corrosion/irritation.
No Information

Eye damage/irritation.
Direct eye contact may cause severe irritation or burns. If not immediately removed, may cause permanent eye damage.

Respiratory or skin sensitization.
No Information

Ingestion.
No Information

Germ cell mutagenicity.
No Information

Carcinogenicity.
No Information

Reproductive toxicity.
Borates: Animal ingestion studies, at high doses, indicate that borate compounds cause reproductive and developmental effects. Occupational studies evaluating highly exposed borate workers found no adverse effects in workers. Epidemiological studies of human developmental effects have shown an absence of effects in exposed borate workers and populations living in areas with high environmental levels of boron. The Environmental Protection Agency (EPA) has concluded that the use of borate compounds is sufficiently supported by appropriate scientific studies and that their uses are not expected to cause unreasonable adverse risks to humans or the environment. EPA has also concluded that the likelihood of developmental toxicity risk to workers is not considered to be of concern because the pattern of use would result in minimal occupational exposure.

Specific target organ systemic toxicity (single exposure).
No Information

Specific target organ systemic toxicity (repeated exposure).
No Information

Aspiration hazard.
No Information

Primary Route(s) of Entry
No Information

12. Ecological Information

Toxicity.

0.17% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Trialkyl nitrogen oxide compounds Proprietary	0.11 mg/l Pseudokirchneriella subcapitata (green algae) 96H	2.67 mg/l Pimephales promelas (fathead minnow) 96H	3.1 mg/l Daphnia magna (Water flea) 48H

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

No data are available on the product itself.

Mobility in soil.

No information

Other adverse effects.

No information

13. Disposal Considerations

Waste Disposal Guidance.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

DOT

Shipping Name: Not Regulated

IMDG

Proper Shipping Name: UN3082, Environmentally hazardous substance, liquid, n.o.s. (trialkyl nitrogen oxide compound), 9, PGIII, Marine Pollutant

Additional Information: Inner packagings 5 L (liquid) or 5 kg (solids) or less: Not regulated (per IMDG Code 2.10.2.7) (EHS liquids/solid exception)

IATA

Hazard Class: UN3082, Environmentally hazardous substance, liquid, n.o.s. (trialkyl nitrogen oxide compound), 9, PGIII

Additional Information: Inner packagings 5 L (liquid) or 5 kg (solids) or less: Not restricted (per Special Provision A197) (EHS liquid/solid exception)

15. Regulatory Information

International Inventories:

TSCA	Complies
DSL	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECI	-
PICCS	Complies
AIIC	Complies
NZIoC	Complies
TCSI	

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDSL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AIIC	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

U.S. Federal Regulations:

SARA SECTION 313:

This product does not contain any chemicals that are subject to the reporting requirements of SARA 313.

TOXIC SUBSTANCES CONTROL ACT 12(b):

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

CALIFORNIA PROPOSITION 65 CARCINOGENS

No Proposition 65 Carcinogens exist in this product.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

16. Other Information

Revision Date: 1/10/2024 **Supersedes Date:** 1/10/2024

Reason for revision: Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	3*	**Flammability:**	1	**Physical Hazard:**	N.I.	**Personal Protection:**	N.I.

NFPA Ratings:

Health:	3	**Flammability:**	1	**Instability:**	N.I.	**Physical & Chemical:**	N.I.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.