

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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MATERIAL NAME: **TRANSETCH N**
REVISED: June 2022
CHEMICAL FAMILY: Acid solution
Product Number: 120-001100
For QT: 060-00110000

SECTION 2. HEALTH HAZARD INFORMATION

GHS Classifications

H290 Corrosive to Metals: Category 1
H303 Acute toxicity Oral : Category 5
H313 Acute toxicity Dermal: Category 5
H331 Acute toxicity Inhalation : Category 3
H314 Skin corrosion / Skin irritation : Category 1
H318 Serious eye damage / Eye irritation : Category 1
H371 Special target organ systemic toxicity single exposure: Category 2
H373 Special target organ systemic toxicity repeated exposure : Category 2

Pictograms or Hazard symbols



Signal word: Danger
May be corrosive to metals
Harmful if swallowed or in contact with skin.
Toxic if mist is inhaled.
Causes severe skin burns and serious eye damage.
Health hazard. May cause damage to lungs, eyes, and mucous membranes through prolonged or repeated exposure.

Precautionary Statements

P234 Keep only in original container.
P390 Absorb spillage to prevent material damage.
P406 Store in corrosive resistant container.
P312 Call a physician if you feel unwell.
P261 Avoid breathing fumes, mist, or vapors.
P271 Use only outdoors or in a well-ventilated area.
P304 + P340 If inhaled remove person to fresh air and keep comfortable for breathing.
P 308 + P311 Seek medical assistance if not breathing. If exposed or concerned, call a

physician.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of content/container in accordance with local/regional/national/international regulations.

P260 Do not breathe dusts or mist.

P264 Wash thoroughly after handling.

P280 Wear protective gloves and eye protection.

P301 + P330 + P331 If swallowed rinse mouth. Do not induce vomiting,

P303 + P361 + P353 If on skin take off immediately all contaminated clothing. Rinse skin with water.

P363 Wash contaminated clothes before reuse.

P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue using.

P270 Do not eat, drink, or smoke when using this product.

P314 Get medical advice/attention if you feel unwell.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Material		Wt %	Toxicity
Phosphoric Acid	CAS# 7664-38-2	92-93	1 ppm
Water	CAS# 7732-18-5	7-8	
Total		100	

SECTION 4. FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE

FIRST AID:

Eye Contact: Corrosive to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally. May cause blindness. Seek medical attention.

Skin Contact: Obtain medical attention: Corrosive to exposed skin. Flush skin well with water for 15 minutes, wash with soap and water. Remove affected clothing, get medical attention.

Inhalation: If mist or fumes are inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention. Effects may be delayed. May cause chemical burns to the respiratory tract.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes gastrointestinal burns and perforation of the digestive tract. Get medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air	<u>LOWER</u>	<u>UPPER</u>
non-flammable	NA		NA	NA

Extinguishing media: Water spray or fog, carbon dioxide and dry chemical. Do not use organic media.

Special fire fighting procedures: Wear chemically retardant gear and NIOSH approved self-contained breathing apparatus. Thermal decomposition produces irritating and toxic fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Ventilate area of leak or spill. Clean up personnel should wear protective clothing and NIOSH approved respirator. Dike and cover the contaminated areas with absorbent, non-combustible material such as

polymerization: Will not occur X

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE:

LD₅₀ (oral, rat): 1530 mg/kg (phosphoric acid)

Specific symptoms in animal studies: burns to eyes (rabbit), burns to skin (rabbit)

SUBACUTE TO CHRONIC TOXICITY:

Bacterial mutagenicity: Ames test: negative

Investigated as a mutagen

OTHER DATA:

Corrosive. Vapor inhalation burns mucous membranes; causes coughing, dyspnoea.

Inhalation may lead to oedemas in the respiratory tract. Burns skin, eyes (risk of blindness). Swallowing results in damage to mouth esophagus, and gastrointestinal tract; risk of perforation; bloody vomiting; death.

SECTION 12. ECOLOGICAL INFORMATION

Bioaccumulation : There is no evidence of bioaccumulation.

Environmental Fate: When released into the soil, this material may leach into groundwater. When released to water, acidity may be readily reduced by natural water hardness minerals, but the phosphate may persist indefinitely.

Ecotoxicity : Biologic effects:

Toxic effect on fish and plankton. Harmful effect due to pH shift. Forms corrosive mixtures with water even when diluted. Does not cause biological oxygen deficit. Hazardous to drinking water supplies.

Fish toxicity: *Gambusia affinis* LC₅₀: 756 mg/L/96 h

Golden orfe/LC₅₀ (96h): > 7500 mg/L

Hazard for drinking water: Fish: LC₅₀ > 1500 mg/L.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility.

SECTION 14. TRANSPORTATION INFORMATION

Class 8

PG III

UN1805

Shipping Name: Phosphoric Acid Solution

SECTION 15. REGULATORY

Symbol: C, Corrosive

R-Phrase:

R: Contact with combustible material may cause fire.
R21/22: Harmful in contact with skin and if swallowed.
R35: Causes severe burns.
R41: Risk of serious damage to eyes.

S-Phrases:

S17: Keep away from combustible material.
S23-36/37/39-45 Do not breathe vapor. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16. OTHER INFORMATION

NFPA Codes:

Health: 3

Flammability: 0

Reactivity: 1

R8: Contact with combustible material may cause fire.

R35: Causes severe burns.

All ingredients of this product are listed on the US TSCA inventory under their parent anhydrous compounds.