

SECTION 1 – IDENTIFICATION

NAME / CODE: N.T.R. #4 PLUS / 5901XX

USE: Rust remover for laundry

MANUFACTURER: B.O.D. CHEMICALS INC.
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SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS: None

HEALTH HAZARDS: Acute toxicity (oral), Category 4
Acute toxicity (dermal), Category 4
Serious eye damage / Eye irritation, category 1

ENVIRONMENTAL HAZARDS: Not available

GHS LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD: DANGER

HAZARD STATEMENTS: Harmful if swallowed.
Harmful in contact with skin.
Causes serious eye damage.

PRECAUTIONARY STATEMENTS

PREVENTION: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE: **If swallowed:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. **If on skin:** Wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Specific treatment (see supplemental first aid on the label). Take off immediately all contaminated clothing and wash it before reuse. **If in eyes:** Rinse immediately and cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician.

STORAGE / DISPOSAL: Dispose of contents/container in accordance with local regulations (see section 13).

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Oxalic acid	006153-56-6	60 - 100

SECTION 4 – FIRST AID MEASURES

SKIN: Remove contaminated clothing. Rinse skin with water for at least 20 minutes/shower. Consult a physician if irritation persists.

EYES: Rinse cautiously with water for 15-20 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

INGESTION: Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Call a physician immediately.

INHALATION: Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED: Skin: Irritation, redness of the skin. Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes, redness, swelling and blurred vision.

TO PHYSICIAN: Treat symptoms.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, carbon dioxide, chemical powder, foam.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS: Not flammable. Under fire conditions, toxic and corrosive fumes are emitted. The product does not burn itself but may decompose upon heating to produce corrosive and/or toxic fumes.

SPECIAL FIRE FIGHTING PROCEDURES: Wear protective clothing and self-contained breathing apparatus if necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Avoid contact of the product with eyes and skin. Wear gloves and safety goggles. Prevent discharge in sewers.

ENVIRONMENTAL PRECAUTIONS: Avoid the spillage or runoff entering drains, sewers or watercourses.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Wear protective clothing. Control spill to prevent runoff into sewers. Recover in suitable containers. Sweep and rinse with water.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid contact of the product with eyes and skin. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash hands after handling.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS	VALUE	REGULATION
Oxalic acid	6153-56-6	TWA: 1mg/m ³	ACGIH

APPROPRIATE ENGINEERING CONTROL: Normal ventilation

PERSONAL PROTECTIVE EQUIPMENT



SKIN: Protective clothing. Impermeable gloves.

EYES: Safety goggles.

RESPIRATORY: Suitable respiratory protection must be worn.

HYGIENE MEASURES: Wash hands after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / FORM:	Powder
COLOR:	White
ODOR:	Odorless
ODOR THRESHOLD:	Not available
pH (10 % solution):	1 - 2
MELTING POINT / FREEZING POINT (°C):	Not available
BOILING POINT (°C):	Not available
FLASH POINT (°C):	157
EVAPORATION RATE:	Not available
EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	< 0.1hPa
VAPOUR DENSITY:	4.3
DENSITY (kg/L):	1.5 - 2.5
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT / N-OCTANOL/WATER:	Not available
AUTOIGNITION TEMPERATURE (°C):	> 400
DECOMPOSITION TEMPERATURE (°C):	98 -100

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	Reacts violently with (strong) oxidizers. Reacts violently with alkali metals, mercury and furfuryl alcohol. Reacts with silver.
STABLE:	Hygroscopic. Stable at normal ambient temperatures and when used as recommended.
HAZARDOUS REACTIONS:	Reacts violently with strong oxidants causing fire and explosion hazard. Reacts with some silver compounds to form explosive silver oxalate.
CONDITIONS TO AVOID:	Avoid high temperatures, sparks, open flames and all other sources of ignition. Minimize exposure to air and moisture to avoid degradation. Contact with incompatible materials.
INCOMPATIBILITY:	Alkalis, metals, strong oxidizing agents, ammonia, halogenate and acid chlorides, combustible materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

SKIN:	Harmful in contact with skin.
EYES:	Causes serious eye damage.
INHALATION:	No serious effect.

INGESTION: Harmful if swallowed.

NUMERIC VALUES OF TOXICITY

ACUTE ORAL TOXICITY: Harmful if swallowed. LD50 (rat): 475 mg/kg

ACUTE DERMAL TOXICITY: Harmful in contact with skin. LD50 (dermal, rabbit): 20000 mg/kg

ACUTE INHALATION TOXICITY: Not available. No health effects (normal conditions of use).

DELAYED AND IMMEDIATE EFFECTS

SKIN CORROSION / IRRITATION: May causes skin irritation. Harmful in contact with skin.

SERIOUS EYE DAMAGE / EYE IRRITATION: Causes serious eye damage.

RESPIRATORY SENSITIZATION: Not expected to cause respiratory sensitization.

SKIN SENSITIZATION: Not expected to cause skin sensitization.

GERMINAL CELL MUTAGENICITY: No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.

REPRODUCTIVE TOXICITY: No potential reproductive toxicity.

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE: Not classified

SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE: Not classified

ASPIRATION HAZARD: Not classified

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: Oxalic acid
LC50, *Leuciscusidus melanotus*, 160 mg/l, 48h
EC50, *Daphnia magna*, 162.2 mg/l, 48h

PERSISTENCE AND DEGRADABILITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.

HAZARDOUS WASTE CODE: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

CONTAMINATED PACKAGING: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 – TRANSPORT INFORMATION

TDG: Not regulated

SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.

SECTION 15 – REGULATORY INFORMATION

Ingredients included on inventory of DSL (Canada), REACH, TSCA (USA)

SECTION 16 – OTHER INFORMATION

PRODUCT NAME: N.T.R. #4 PLUS

CODE: 5901XX

IN CASE OF ACCIDENTAL SPILL: CANUTEC (Canada): 1 (613) 996-6666

PREPARED BY: B.O.D. CHEMICALS INC.

PHONE: (450) 443-5556

DATE: January 27th, 2020

B.O.D. CHEMICALS INC. assume no responsibility for damages or physical injuries resulting in the use of this product. The user recognizes the risk in the use of this product and must consult and respect directions and dangers of this product.