

Graphenoil - Descaler

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

- Product Name** • NT-Graphenoil - Descaler
Product Formula • 9800

RELEVANT IDENTIFIED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

- Relevant Use** • Acidic liquid scale and oxidation remover.

SUPPLIER DETAILS

- Graphenoil - Descaler
16310 Hollister St.
Houston, TX 77066

SECTION 2: HAZARD IDENTIFICATION

United States (US) - According to OSHA 29 CFR 1920.1200 Hazard Communication Standard

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

- Hazard Classification** • Serious Eye Damage/Eye Irritation - 1
Skin Corrosion/Irritation - 2

LABEL ELEMENTS

- Signal Word and Pictogram** • Danger
Warning



HAZARD STATEMENTS

- H318 Causes serious eye damage
H315 Causes skin irritation

PRECAUTIONARY STATEMENTS

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment for active ingredient poisoning is required.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

OTHER HAZARDS •



HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

SECTION 3: COMPOSITION INFORMATION ON

Chemical Identity	CAS	Percent Weight
Sodium Citrate Chloride Complex	Proprietary	<66
No other reportable hazardous materials.	N/A	

SECTION 4: FIRST AID MEASURES

- INHALATION** • If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Call a physician immediately.
- SKIN** • Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse.
- EYE** • Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician if irritation persists.
- INGESTION** • Do not induce vomiting. Never give anything by mouth to an unconscious person. Dilute by drinking two large glasses of water. Call a physician immediately.

SECTION 5: FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA** • Use non-flammable or non-explosive extinguishing media.
- SPECIFIC HAZARDS** • No known unusual hazards in a fire or explosion situation.

SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS

- In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**FOR NON-EMERGENCY PERSONNEL**

- For non-emergency personnel, ventilate area of leak or spill and remove all ignition sources. Wear appropriate personal protective equipment as required to prevent any contamination of skin, eyes, and personal clothing. Isolate release area. Do not touch or walk through spilled material unless wearing the appropriate protective equipment. Keep unnecessary and unprotected personnel from entering.

FOR EMERGENCY RESPONDERS

- For emergency responders, as an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

ENVIRONMENTAL PRECAUTIONS**ACCIDENTAL RELEASE ENVIRONMENTAL**

- Stop leak if you can do it without risk. If possible, keep from entering into drains, surface water, or ground water. This product is biodegradable.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**CONTAINMENT AND CLEANUP**

- Contain and recover liquid when possible. Cover drains or cap spill when safe. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Small spills may be flushed to the sanitary sewer with approval from local authorities.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

- Protect against physical damage. Store in a cool, dry well-ventilated location. Avoid storing in direct sunlight when possible. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

CONDITIONS FOR SAFE STORAGE AND INCOMPATIBILITIES

- Protect against physical damage. Store in a cool, dry well-ventilated location. Avoid storing in direct sunlight when possible. Separate from incompatible materials such as strong acids or strong bases. Do not store in containers made from soft metals such as aluminum, magnesium, zinc, or galvanized steel.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

Chemical Identity	CAS	TLV
Sodium Citrate Chloride Complex	Proprietary	N/E
No other reportable hazardous materials.	N/A	N/A

APPROPRIATE ENGINEERING CONTROLS

- Use adequate ventilation systems as needed to maintain air concentrations below occupational exposure standards.

INDIVIDUAL PROTECTIONS MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

EYE / FACE PROTECTION • Chemical safety glasses.

SKIN PROTECTION • Nitrile gloves.

RESPIRATORY PROTECTION • None required under normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear to amber liquid.

Odor Light sweet odor.

pH <2.0 neat.

Melting Freezing Point Not available.

Initial Boiling Point Not available.

Flash Point Does not flash.

Evaporation Rate Not available.

Flammability Not available.

VOC (g/L) <25 g/L

Lower Limits Not available.

Vapor Pressure Not available.

Vapor Density Not available.

Relative Density 1.09 g/ml

Solubility Miscible with water.

Partition Coefficient Not available.

Auto Ignition Temp Not available.

Decomposition Temp Not available.

Viscosity Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity • No dangerous reaction known under conditions of normal use.

Chemical Stability • Stable under normal temperatures and pressures.

Possibility of Haz Rxns • Will not occur.

Conditions to Avoid • No unusual conditions.

Incompatible Materials • Do not mix with strong acids or bases. Do not mix with any other chemical unless instructed to do so by the manufacturer.

Hazardous Decomposition • In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, soot, and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION**INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute Toxicity No specific information available for mixture.

Skin Corrosion/Irritation No specific information available for mixture.

Serious Eye Damage/Irritation No specific information available for mixture.

Respiratory or Skin Sensitization No specific information available for mixture.

Germ Cell Mutagenicity No specific information available for mixture.

Carcinogenicity No specific information available for mixture.

Reproductive Toxicity No specific information available for mixture.

STOT Single Exposure No specific information available for mixture.

STOT Repeated Exposure

No specific information available for mixture.

Aspiration Hazard No specific information available for mixture.

Target Organs Skin.

Routes of Entry Exposure Ingestion, inhalation, skin, eye. Ingestion, inhalation, skin, eye.

POTENTIAL HEALTH EFFECTS

- | | |
|---------------------------|--|
| INHALATION ACUTE | • May irritate nose, throat and lungs. |
| INHALATION CHRONIC | • Vapors or mists may aggravate pre-existing lung conditions. |
| SKIN ACUTE | • May cause irritation. Prolonged exposure may cause redness or pain. and should be avoided. |
| SKIN CHRONIC | • Sensitivity of the skin may occur with repeated, prolonged exposure. |
| EYE ACUTE | • May cause redness, tearing, swelling and pain. Prolonged exposure to eyes should be avoided. |
| EYE CHRONIC | • No data available. |
| INGESTION ACUTE | • May irritate gastrointestinal tract. Ingestion of large amounts may cause nausea, vomiting and diarrhea. |
| INGESTION CHRONIC | • No data available. |

SECTION 12: ECOLOGICAL INFORMATION

- | | |
|---|---|
| TOXICITY | • Not enough information on the mixture is available. |
| PERSISTENCE & BIODEGRADABILITY | • Not enough information on the mixture is available. The components of the mixture are determined as either readily biodegradable or inherently biodegradable. It is |
| BIOACCUMULATIVE POTENTIAL | • Not enough information on the mixture is available. |
| MOBILITY IN SOIL | • Not enough information on the mixture is available. |
| OTHER ADVERSE EFFECTS | • Not enough information on the mixture is available. |

SECTION 13: DISPOSAL CONSIDERATIONS

- | | |
|--------------------------------|--|
| DISPOSAL CONSIDERATIONS | • Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. |
|--------------------------------|--|

SECTION 14: TRANSPORT INFORMATION

- | | |
|--|--|
| TRANSPORT ENVIRONMENTAL HAZARDS | • Not regulated by D.O.T.
• None known. |
| SPECIAL PRECAUTIONS | • None known. |

SECTION 15: REGULATORY INFORMATION

SARA TITLE III INFORMATION

Chemical Identity

CAS / CAT CODE PERCENT WT

None Reportable

OTHER REGULATORY INFORMATION

- **TSCA (Toxic Substance Control Act):** All ingredients of this product are listed on the TSCA inventory.
- **CARCINOGENICITY:** Not listed by IARC, NTP, or OSHA.
- **CALIFORNIA PROPOSITION 65:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins which would be subject to the proposition.

SECTION 16: OTHER INFORMATION

Last Revision Date 1/7/2022

Date Prepared 1/7/2022

KEY TO ABBREVIATIONS

N/E = Not Established. CAS = Chemical Abstract Service. ppm = Parts Per Million
g/L = Grams per Liter mg/m³ = milligrams per cubic meter

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