






# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2282	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	ECO RELEASE	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	All-Natural Asphalt Release Agent	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Met. Corr: Category 1 H290 Skin Irrit: Category 2 H315 Eye Dam: Category 1 H318 Skin Sens: Category 1 H317 Carc: Category 2 H351 Full text of H-phrases: see section 16	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>			
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### HAZARD STATEMENTS:

May be corrosive to metals.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Suspected of causing cancer.

### PRECAUTIONARY STATEMENTS:

#### Prevention:

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep only in original container.  
Avoid breathing mist, spray.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear eye protection, protective clothing, protective gloves.

#### Response:

IF ON SKIN: Wash with plenty of soap and 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 doctor, a POISON CENTER.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Absorb spillage to prevent material damage.

**Storage:** Store locked up. Store in corrosive-resistant container with a resistant inner liner.

**Disposal:** Dispose of contents/container to comply with local/regional/national/international regulations.

### HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

### UNKNOWN ACUTE TOXICITY (GHS US):

Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT	CLASSIFICATION (GHS-US)
tall oil	8002-26-4	7-13	Skin Sens. 1, H317 Carc. 2, H351
tetrasodium ethylenediaminetetracetate	64-02-8	1-5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
potassium hydroxide, 45%=<conc<50%, aqueous solutions	1310-58-3	1-5	Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314
trisodium nitrilotriacetate	5064-31-3	0.05-1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Carc. 2, H351

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**GENERAL:** If you feel unwell, seek medical advice (show the label where possible).

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**SKIN:** If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water.

### INHALATION:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**INGESTION:**

Rinse mouth with water. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:**

**Symptoms/injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Symptoms/injuries after inhalation:** May cause respiratory irritation.

**Symptoms/injuries after skin contact:** Causes skin irritation. May cause an allergic skin reaction.

**Symptoms/injuries after eye contact:** Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

**Symptoms/injuries after ingestion:** Gastrointestinal complaints. Cramps. Nausea.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

Treat symptomatically.

**5. Fire Fighting Measures****SUITABLE FIRE EXTINGUISHING MEDIA:**

All extinguishing media allowed.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

Upon combustion: CO and CO<sub>2</sub> are formed.

**SPECIFIC FIRE-FIGHTING METHODS:**

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**

Do not enter fire area without proper protective equipment, including respiratory protection.

**6. Accidental Release Measures****GENERAL MEASURES:**

Isolate from fire, if possible, without unnecessary risk.

**PERSONAL PRECAUTIONS:**

Protective goggles. Gloves. Protective clothing. Evacuate unnecessary personnel. Avoid contact with skin, eyes, and clothing. Ventilate spillage area. Equip cleanup crew with proper protection. Stop leak, if safe to do so. Stop release. Ventilate area.

**ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:**

Avoid release to the environment. Prevent soil and water pollution. Contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.

**REFERENCE TO OTHER SECTIONS:**

No additional information available.

**7. Handling and Storage****SAFE HANDLING:**

Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

**SAFE STORAGE & INCOMPATIBILITIES:**

Comply with applicable regulations. Keep container closed when not in use. Store in original container. Incompatible with strong acids and strong oxidizers. Keep only in the original container. Store in a dry area. Store in a cool area. Must meet the legal requirements for special rules on packaging.

**8. Exposure Controls / Personal Protection****potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)**

ACGIH

ACGIH Ceiling (mg/m<sup>3</sup>)2 mg/m<sup>3</sup>**PERSONAL PROTECTIVE EQUIPMENT:**

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Safety glasses. Protective clothing.

**9. Physical & Chemical Properties**

<b>Appearance:</b>	Clear. Yellow liquid.	<b>Flammability(solid/gas):</b>	No data available.
<b>Physical State:</b>	Liquid.	<b>Explosion Limits:</b>	No data available.
<b>Odor:</b>	Slight soy odor.	<b>Explosive Properties:</b>	No data available.
<b>Odor Threshold:</b>	No data available.	<b>Oxidizing Properties:</b>	No data available.
<b>pH:</b>	9.5-11.5	<b>Vapor Pressure:</b>	No data available.
<b>Melting Point:</b>	No data available.	<b>Relative Density:</b>	No data available.
<b>Freezing Point:</b>	No data available.	<b>Solubility (water):</b>	Soluble.
<b>Log POW:</b>	No data available.	<b>Auto-Ignition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.	<b>Decomposition Temperature:</b>	No data available.
<b>Specific Gravity:</b>	1.03 g/ml	<b>Relative Vapor Density @ 20°C:</b>	No data available.
<b>Boiling Point:</b>	No data available.	<b>Log KOW:</b>	No data available.
<b>Flash Point:</b>	> 200°F Closed Cup	<b>Viscosity (kinematic):</b>	No data available.
<b>Relative Evap Rate (butyl acetate=1):</b>	No data available.	<b>Viscosity (dynamic):</b>	No data available.
<b>VOC Content:</b>	<0.5%		

**10. Stability & Reactivity Information****REACTIVITY:**

Upon combustion: CO and CO2 are formed.

**CHEMICAL STABILITY:**

No additional information available.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

Refer to Section 10 on Reactivity.

**INCOMPATIBLE MATERIALS:**

May be corrosive to metals. Strong acids. Oxidizing agents.

**CONDITIONS TO AVOID:**

No additional information available.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological Information****ACUTE TOXICITY:**

Not classified.

COMPONENTS	SPECIES	TEST RESULTS
potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)		
<i>Oral</i>		
LD50	Rat	273 mg/kg
ATE CLP (oral)		273.000 mg/kg body weight
tetrasodium ethylenediaminetetracetate (64-02-8)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
ATE CLP (oral)		500.000 mg/kg body weight
trisodium nitrilotriacetate (5064-31-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Oral</i>		
LD50	Rat	1740 mg/kg, male and female
ATE CLP (oral)		500.000 mg/kg body weight

**SKIN CORROSION/IRRITATION:**

Causes skin irritation. pH 9.5-11.5

**SERIOUS EYE DAMAGE/IRRITATION:**

Causes serious eye damage. pH: 9.5 - 11.5

**RESPIRATORY OR SKIN SENSITIZATION:**

May cause an allergic skin reaction.

**GERM CELL MUTAGENICITY:**

Not classified.

**CARCINOGENICITY:**

Suspected of causing cancer.

**trisodium nitrilotriacetate (5064-31-3)**

IARC group IARC group 2B - Possibly Carcinogenic to Humans

**SPECIFIC TARGET ORGAN TOXICITY – single exposure:**

Not classified.

**SPECIFIC TARGET ORGAN TOXICITY – repeated exposure:**

Not classified.

**ASPIRATION HAZARD:**

Not classified.

**REPRODUCTIVE TOXICITY:**

Not classified.

**SYMPTOMS/INJURIES AFTER INHALATION:**

May cause respiratory irritation.

**SYMPTOMS/INJURIES AFTER SKIN CONTACT:**

Causes skin irritation. May cause an allergic skin reaction.

**SYMPTOMS/INJURIES AFTER EYE CONTACT:**

Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

**SYMPTOMS/INJURIES AFTER INGESTION:**

Gastrointestinal complaints. Cramps. Nausea.

**12. Ecological Information**

COMPONENTS	SPECIES	TEST RESULTS
potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)		
LC50	Fish 1	28.6 mg/l (24 h; Pisces; Pure substance)
LC50	Other aquatic organisms 1	100 - 1000 mg/l (96 h)
LC50	Fish 2	80 mg/l (96 h; Gambusia affinis; Pure substance)
Threshold limit other aquatic organisms 1: 100 - 1000,96 h		
tetrasodium ethylenediaminetetracetate (64-02-8)		
LC50	Fish 1	121 mg/l (96 h; Lepomis macrochirus; Soft water)
EC50	Daphnia 1	625 mg/l (24 h; Daphnia magna)
LC50	Fish 2	374 - 792 mg/l (96 h; Lepomis macrochirus; pH > 7)

Threshold limit algae 1: > 100 mg/l (72 h; Scenedesmus subspicatus; Growth)		
trisodium nitrilotriacetate (5064-31-3)		
LC50	Fish 1	114 mg/l Pimephales promelas (fathead minnow); Test Type: flow-through test
EC50	Daphnia 1	> 100 mg/l Daphnia magna (Water flea); Test Type: static test
ErC50	Algae	91.5 mg/l Desmodesmus subspicatus (green algae); Exposure time: 72 h; Test Type: static test; Method: OECD Test Guideline 201
tall oil (8002-26-4)		
LC50	Fish 1	5 - 10 mg/l (96 h; Brachydanio rerio)
EC50	Daphnia 1	39.7 mg/l (48 h; Daphnia magna)
Threshold limit algae 1: 0.5 mg/l (72 h; Selenastrum capricornutum)		
<b>PERSISTENCE AND DEGRADABILITY:</b>		
<b>potassium hydroxide, 45%=&lt;conc&lt;50%, aqueous solutions (1310-58-3)</b>		
Persistence and degradability:	Biodegradability: not applicable. No (test)data on mobility of the components available.	
Biochemical oxygen demand (BOD):	Not applicable	
Chemical oxygen demand (COD):	Not applicable	
ThOD:	Not applicable	
BOD (% of ThOD):	Not applicable	
<b>tetrasodium ethylenediaminetetracetate (64-02-8)</b>		
Persistence and degradability:	Not readily biodegradable in water.	
Biochemical oxygen demand (BOD):	< 0.002 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD):	0.54 - 0.58 g O <sub>2</sub> /g substance	
<b>tall oil (8002-26-4)</b>		
Persistence and degradability:	Readily biodegradable in water.	
Chemical oxygen demand (COD):	2.1 g O <sub>2</sub> /g substance	
<b>BIOACCUMULATIVE POTENTIAL:</b>		
<b>potassium hydroxide, 45%=&lt;conc&lt;50%, aqueous solutions (1310-58-3)</b>		
Bioaccumulative potential:	Not bioaccumulative.	
<b>tetrasodium ethylenediaminetetracetate (64-02-8)</b>		
Log Pow:	-2.6	
Bioaccumulative potential:	Bioaccumulation: not applicable.	
<b>tall oil (8002-26-4)</b>		
Log Pow:	3.5 - 8.2	

### 13. Disposal Consideration

Dispose in a safe manner in accordance with local/national regulations.

### 14. Transportation Information

#### DEPARTMENT OF TRANSPORTATION (DOT):

In accordance with DOT : Not regulated for transport.

#### ADDITIONAL INFORMATION:

No supplementary information available.

**ADR:** No additional information available.

#### TRANSPORT BY SEA:

No additional information available.

#### AIR TRANSPORT:

No additional information available.

### 15. Regulatory Information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### potassium hydroxide, 45%=<conc<50%, aqueous solutions (1310-58-3)

Not listed on SARA Section 313 (Specific toxic chemical listings)

RQ (Reportable quantity, section 304 of EPA's List of Lists): 1000 lb

#### California Proposition 65:

This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

### 16. Other Information

#### Training advice:

Normal use of this product shall imply use in accordance with the instructions on the packaging.

#### Full text of H-phrases:

- Acute Tox. 3 (Oral) Acute toxicity (oral) Category 3
- Acute Tox. 4 (Oral) Acute toxicity (oral) Category 4
- Carc. 2 Carcinogenicity Category 2
- Eye Dam. 1 Serious eye damage/eye irritation Category 1
- Eye Irrit. 2A Serious eye damage/eye irritation Category 2A
- Met. Corr. 1 Corrosive to metals Category 1
- Skin Corr. 1A Skin corrosion/irritation Category 1A
- Skin Irrit. 2 Skin corrosion/irritation Category 2
- Skin Sens. 1 Skin sensitization Category 1
- H290 May be corrosive to metals

H301 Toxic if swallowed  
H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H318 Causes serious eye damage  
H319 Causes serious eye irritation  
H351 Suspected of causing cancer  
N/A = Not Applicable  
N/D = Not Determined

<b>NFPA</b>	Health Hazards: 2	Flammability: 1	Instability: 0	Physical & Chemical Properties:
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**DISCLAIMER:**

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