



SAFETY DATA SHEET

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

2. Hazards Identification				
GHS CLASSIFICATION: Corrosive to Metal: Category 1 H290 Skin Irritant: Category 2 H315 Eye Damage: Category 1 H318 Carcinogen: Category 2 H351	SIGNAL WORD: DANGER	SYMBOL:		
HAZARD STATEMENTS: May be corrosive to metals. Causes skin irritation. 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. Wash thoroughly after handling. 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. Specific treatment (see supplemental first aid instruction on this label). If skin irritation 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	
tetrasodium ethylenediaminetetracetate	(CAS-No.) 64-02-8	1-5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
potassium hydroxide	(CAS-No.) 1310-58-3	1-5	Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314
trisodium nitrilotriacetate	(CAS-No.) 5064-31-3	0.05-1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Carc. 2, H351
A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.			

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 water and soap.
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/effects:	Causes serious eye damage. Causes skin irritation. Suspected of causing cancer.
Symptoms/effects after inhalation:	None under normal use.
Symptoms/effects after skin contact:	Causes skin irritation.
Symptoms/effects after eye contact:	Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/effects 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:

Reactivity: Upon combustion: CO and CO₂ 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

PERSONAL PRECAUTIONS:

General Measures: Isolate from fire, if possible, without unnecessary risk.

For Nonemergency Personnel:

Protective Equipment: Protective goggles. Gloves. Protective clothing.

Emergency Procedures: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

For Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Stop release. Ventilate area.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Prevent soil and water pollution.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

For Containment: Contain released product, pump into suitable containers.

Methods for Cleanup: 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:

Precautions for 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.

Hygiene Measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

SAFE STORAGE & INCOMPATIBILITIES:

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in original container.

Incompatible Products: Strong acids. Strong oxidizers.

Storage Area: Keep only in the original container. Store in a dry area. Store in a cool area.

Special Rules on Packaging: Meet the legal requirements.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

potassium hydroxide (1310-58-3)

ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
-------	------------------------------------	---------------------

ACGIH	Remark (ACGIH)	URT, eye & skin irr
-------	----------------	---------------------

tetrasodium ethylenediaminetetracetate (64-02-8)

Not applicable

trisodium nitrilotriacetate (5064-31-3)

Not applicable

PERSONAL PROTECTIVE EQUIPMENT: Use appropriate personal protective equipment when risk assessment indicates this is necessary.



Eye/Face Protection: Safety glasses.

Skin Protection: Gloves. Protective clothing.

9. Physical & Chemical Properties

Appearance:	Clear, yellow liquid.	Flammability(solid/gas):	No data available.
Physical State:	Liquid.	Log Pow	No data available.
Odor:	Slight soy odor.	Explosive Limits:	No data available.
Odor Threshold:	No data available.	Explosive Properties:	No data available.
pH:	10 - 12.5	Vapor Pressure:	No data available.
Melting/Freezing Point:	No data available.	Relative Density:	No data available.
Boiling Point/Range:	No data available.	Solubility (water):	Soluble in water.
Viscosity:	No data available.	Auto-Ignition Temp:	No data available.
Viscosity, Kinematic:	No data available.	Decomposition Temp:	No data available.
Viscosity, Dynamic:	No data available.	Oxidizing Properties	No data available.
VOC Content:	< 0.5%	Specific Gravity:	1.03 g/ml
Flash Point:	> 200°F Closed Cup	Relative Evaporation Rate (butyl acetate=1):	No data available.

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.

CONDITIONS TO AVOID:

No additional information available.

INCOMPATIBLE MATERIALS:

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

HAZARDOUS DECOMPOSITION PRODUCTS:

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

11. Toxicological Information

PRIMARY ROUTE OF ENTRY: Skin and eye contact.

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

Skin: Causes skin irritation.

Inhalation: None under normal use.

Ingestion: Gastrointestinal complaints. Cramps. Nausea.

ACUTE TOXICITY:

Not classified.

Components	Species	Test Results
potassium hydroxide (1310-58-3)		
Acute <i>Oral</i> LD50	Rat	273 mg/kg (Rat)
<i>Oral</i> ATP CLP		273 mg/kg body weight
tetrasodium ethylenediaminetetracetate (64-02-8)		
Acute <i>Oral</i> LD50	Rat	>2000 mg/kg (Rat)
<i>Oral</i> ATE CLP		500 mg/kg body weight
trisodium nitrilotriacetate (5064-31-3)		
Acute <i>Oral</i> LD50	Rat	1740 mg/kg rat, male and female
<i>Dermal</i> LD50	Rabbit	>2000 mg/k
<i>Oral</i> ATE CLP		1740 mg/kg body weight

SKIN CORROSION/IRRITATION:

Causes skin irritation.

pH: 10 - 12.5

SERIOUS EYE DAMAGE/EYE IRRITATION:

Causes serious eye damage.

pH: 10 - 12.5

RESPIRATORY SENSITIZATION:

Not classified.

SKIN SENSITIZATION:

Not classified.

GERM CELL MUTAGENICITY:

Not classified.

CARCINOGENICITY:

Suspected of causing cancer.

TRISODIUM NITRILOTRIACETATE (5064-31-3):

IARC group 2B - Possibly carcinogenic to humans.

REPRODUCTIVE TOXICITY:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY -single exposure:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:

Not classified.

ASPIRATION HAZARD:

Not classified.

12. Ecological Information

TOXICITY:

Potassium Hydroxide (1310-58-3)

LC50 fish 1 80 mg/l (96h, Gambusia affinis)

Tetrasodium Ethylenediaminetetracetate (64-02-8)

LC50 fish 1 121 mg/l (96h, Lepomis macrochirus, Literature study)

EC50 Daphnia 1 625 mg/l (24h, Daphnia magna, Literature study)

Trisodium Nitrotriacetate (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: 72h; Test Type: Static test; Method: OECD Test Guideline 201

PERSISTENCE AND DEGRADABILITY:

Potassium Hydroxide (1310-58-3): Biodegradability is not applicable.

Biochemical oxygen demand (BOD): Not applicable.

Chemical oxygen demand (COD): Not applicable.

ThOD: Not applicable.

BOD (% of ThOD): Not applicable.

Tetrasodium Ethylenediaminetetracetate (64-02-8): Not readily biodegradable in water.

Biochemical oxygen demand (BOD): < 0.002g O₂/g substance

Chemical oxygen demand (COD): 0.54 - 0.58g O₂/g substance

BIOACCUMULATIVE POTENTIAL:

Potassium Hydroxide (1310-58-3): Biodegradability is not applicable.

Bioaccumulative Potential: Not bioaccumulative.

Tetrasodium Ethylenediaminetetracetate (64-02-8):

Log Pow: -2.6

Bioaccumulative Potential: Not bioaccumulative.

13. Disposal Consideration

Product/Packaging Disposal Recommendations: Dispose in a safe manner in accordance with local/national regulations.

14. Transportation Information

DOT: In accordance with DOT: Not regulated for transport.

Additional Information: Not regulated for transport.

ADR: No additional information available.

IATA: No additional information available.

IMDG: 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 (1310-58-3):

Not subject to reporting requirements of the United States SARA Section 313.

CERCLA RQ: 1000 lb

WARNING: This product can expose you to Formaldehyde, which is known to the State of California to cause cancer, and methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other Information

Training Advice:

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

H290 May be corrosive to metals

H301 Toxic if swallowed

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H319 Causes serious eye irritation

H351 Suspected of causing cancer

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.