



# Safety Data Sheet

Issue Date: 02-Jan-2008

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Version 1

## 1. IDENTIFICATION

**Product Identifier** TR  
**Product Name** TR – Pan Protector Strips

**Other means of identification**  
**SDS #** ACQ-001

**Recommended use of the chemical and restrictions on use**  
**Recommended Use** HVAC/R & floor drain treatment.

### Details of the supplier of the safety data sheet

**Distributor Address**  
Atlantic Chemical & Equipment Co. Inc.  
3471 Atlanta Industrial Pkwy – Ste 200  
Atlanta, GA 30331 USA

**Emergency Telephone Number**  
**Company Phone Number** 1-800-929-2436  
**Emergency Telephone (24 hr)** CHEMTREC 1-800-424-9300 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Yellowish, brown polymer matrix with encapsulated actives  
**Physical State** Solid  
**Odor** Fresh

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

### Other Hazards

Toxic to aquatic life with long lasting effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Proprietary	Proprietary	1-10
Proprietary	Proprietary	1-10
Didecyldimethylammonium chloride	7173-51-5	1-10
Proprietary	Proprietary	1-10
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1-10
Proprietary	Proprietary	<5
Proprietary	Proprietary	<5
Proprietary	Proprietary	<5
Proprietary	Proprietary	<1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.
<b>Skin Contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Drink promptly a large quantity of milk, egg whites, gelatin solution; or if they are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

**Most important symptoms and effects**

<b>Symptoms</b>	Can cause irreversible eye damage. May irritate or burn sensitive skin. May irritate or burn tissue of gastrointestinal tract.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Probable mucosal damage may contraindicate the use of gastric lavage.
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<b>5. FIRE-FIGHTING MEASURES</b>
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**Suitable Extinguishing Media**

Water spray (fog).

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<b>6. ACCIDENTAL RELEASE MEASURES</b>
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**Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protective equipment as required.
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**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Contain spill. Collect for reuse or disposal.

<b>7. HANDLING AND STORAGE</b>
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**Precautions for safe handling**

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Unconditioned warehouse is acceptable with no adverse effects on product.
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**Incompatible Materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary	-	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	-
Proprietary	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Proprietary	TWA: 0.05 ppm	-	-
Proprietary	TWA: 5 mg/m <sup>3</sup>	(vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Showers. Eyewash stations. Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Recommended to avoid eye contact by transfer.

**Skin and Body Protection** Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Solid	<b>Odor</b>	Fresh
<b>Appearance</b>	Yellowish, brown polymer matrix with encapsulated actives	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Yellowish, brown		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6 to 8	
Melting Point/Freezing Point	0 °C / 32 °F	
Boiling Point/Boiling Range	Not available	
Flash Point	Not available	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not available	
Lower Flammability Limit	Not available	
Vapor Pressure	Not determined	
Vapor Density	1	
Specific Gravity	1	
Water Solubility	Time release of actives	

Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact**                      Avoid contact with eyes.

**Skin Contact**                    Avoid contact with skin.

**Inhalation**                        Do not inhale.

**Ingestion**                        Do not ingest.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary	= 5660 µL/kg ( Rat )	= 16 mL/kg ( Rabbit )	-
Proprietary	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Didecyldimethylammonium chloride 7173-51-5	= 84 mg/kg ( Rat )	-	-
Proprietary	= 12565 mg/kg ( Rat )	= 11890 mg/kg ( Rabbit )	-
Proprietary	= 11200 mg/kg ( Rat )	> 3000 mg/kg ( Rabbit )	-
Alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1	= 426 mg/kg ( Rat )	-	-
Proprietary	= 675 mg/kg ( Rat )	-	-

Proprietary	= 2590 mg/kg ( Rat ) = 1310 mg/kg ( Rat )	= 1780 µL/kg ( Rabbit ) = 2 mL/kg ( Rabbit )	-
Proprietary	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Proprietary	= 830 mg/kg ( Rat )	= 560 mg/kg ( Rabbit )	= 3.07 mg/L ( Rat ) 4 h
Proprietary	= 11900 mg/kg ( Rat )	-	-
Proprietary	= 1600 mg/kg ( Rat )	-	-

### Information on physical, chemical and toxicological effects

#### Symptoms

Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Carcinogenicity

Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage. Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Proprietary	A3	Group 1	Known	X
Proprietary	A3	Group 3		

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Proprietary		144: 96 h Oncorhynchus mykiss mg/L LC50 160: 96 h Pimephales promelas mg/L LC50 112: 96 h Lepomis macrochirus mg/L LC50		
Proprietary		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static		500: 24 h Daphnia magna mg/L EC50
Proprietary		75200: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 29228 mg/L 15 min	84000: 48 h Daphnia magna mg/L EC50
Proprietary		493: 48 h Leuciscus idus melanotus mg/L LC50 static		

Proprietary		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50
Proprietary	780: 72 h Desmodesmus subspicatus mg/L EC50		EC50 = 4812 mg/L 17 h	45: 48 h Daphnia species mg/L EC50
Proprietary		84.3: 96 h Pimephales promelas mg/L LC50 flow- through 28.5: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	EC50 = 3.66 mg/L 5 min EC50 = 4.30 mg/L 15 min EC50 = 4.61 mg/L 30 min	

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Proprietary	-1.76
Proprietary	-1.98
Proprietary	0.97
Proprietary	-0.32
Proprietary	0.4
Proprietary	1.34

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**                      This product may be disposed of in everyday trash.

**Contaminated Packaging**              Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Proprietary	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG**  
**Marine Pollutant** This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary	Present	X		Present		Present	X	Present	X	X
Proprietary	Present	X		Present		Present	X	Present	X	X
Didecyl dimethyl ammonium chloride	Present	X		Present		Present	X	Present	X	X
Proprietary	Present	X		Present		Present	X	Present	X	X
Alkyl dimethyl benzyl ammonium chloride (C12-16)	Present	X		Present		Present	X	Present	X	X
Proprietary	Present	X		Present		Present	X	Present	X	X
Proprietary	Present	X		Present		Present	X	Present	X	X
Proprietary	Present	X		Present		Present	X	Present	X	X
Proprietary	Present	X		Present		Present	X	Present	X	X

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
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Proprietary -	Carcinogen Developmental
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**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary	X	X	X
Proprietary			X
Proprietary	X	X	X
Proprietary	X		
Proprietary	X	X	X

**16. OTHER INFORMATION**

<u>NFPA</u>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<u>HMIS</u>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Physical Hazards</b> 0	<b>Personal Protection</b> A

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 Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet