

# SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS REVISION 5, OSHA 29CFR 1910.1200

## Section 1: Chemical Product and Company Identification

PRODUCT NAME: **ST-1 Wipes**  
FORMULA: Preparation/Mixture  
PRODUCT USE: Non-chromated surface pretreatment

MANUFACTURER'S NAME: Pantheon Enterprises, Inc.  
ADDRESS: 225 West Deer Valley Road  
Phoenix, AZ 85027  
Safety Data Sheet Competent Person: safety@pantheonchemical.com

SUPPLIER'S NAME: Pantheon Enterprises, Inc.  
ADDRESS: 225 West Deer Valley Road  
Phoenix, AZ 85027  
TELEPHONE NUMBER: 623-780-2296  
TOLL FREE: 1-888-608-7888  
FAX: 623-516-0414

EMERGENCY TELEPHONE NUMBER: Chemtrec 24 hrs: 1-800-424-9300

DATE PREPARED: March 9, 2016  
DATE REVIEWED: March 9, 2016

## Section 2: Hazards Identification

**GHS Hazard Class:** Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319

### GHS Label elements, including precautionary statements:

Pictogram:



Signal word: Warning

Hazard Statement(s):  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary Statement(s):  
P102 Keep out of reach of children  
P103 Read label before use  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

Hazard(s) Not Otherwise Classified (HNOC): Not classified  
Fire and explosion: Not considered flammable or combustible.  
Potential health effects: <2% of mixture consists of ingredients of unknown oral acute toxicity.  
Other: None

Chronic effects of overexposure: None  
Appearance: Clear amber liquid

NFPA RATINGS:

COMPONENT	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
ST-1 Wipes	1	0	0	NONE

### Section 3: Composition / Information on Ingredients

PRODUCT COMPOSITION	APPROX %	CAS NO.	CANADA DSL
Water	80-95	7732-18-5	Y
DGBE (Diethylene glycol monobutyl ether)	<7	112-34-5	Y
TS1	<2	---	Y

Some items on this SDS may be designated as trade secrets (TS). Bona fide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13.

### Section 4: First Aid Measures

#### Description of First Aid Measures

**Inhalation:** No fumes are emitted when using this product. No adverse effects are anticipated from inhalation.

**Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**Ingestion:** If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.

#### Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries After Inhalation:** No adverse effects are anticipated from inhalation.

**Symptoms/Injuries After Skin Contact:** May cause mild skin irritation. Wash thoroughly with soap and rinse with water.

**Symptoms/Injuries After Eye Contact:** Irritation may result from contact with the eye. Rinse immediately with water and seek medical advice.

**Symptoms/Injuries After Ingestion:** May be harmful if swallowed. Drink large amount of water. Do NOT induce vomiting. Seek medical advice.

#### Indication of any immediate medical attention and special treatment needed

In case of accident or if you feel unwell, seek medical advice immediately..

### Section 5: Fire-fighting Measures

**Suitable extinguishing media** Material does not burn. Use extinguishing agent suitable for the type of surrounding fire.

**Special hazards arising from the substance or mixture** No data available.

**Protective actions fire-fighters** Wear standard protective equipment and self-contained breathing apparatus for firefighting if necessary.

**Further information** None.

### Section 6: Accidental Release Measures

#### **Personal precautions, protective equipment, and emergency procedures**

Wear proper personal protective equipment. Avoid breathing vapors, mist or gas.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent spills or contaminated rinse water from entering sewers or watercourses.

### Methods and materials for containment and cleaning up

In case of small spills, absorb with inert materials such as earth or dry sand. Place in a chemical waste container.

In case of large spills, dike the spill, if possible. Call emergency services. Absorb the chemical.

### Reference to other Sections

For personal protection reference section 8. For disposal reference section 13.

## Section 7: Handling and Storage

### Precautions for safe handling

Do not store in temperatures below 32 F. Wear proper protective equipment and avoid contact with skin, eyes, or clothing.

Wash hands after handling this product. Keep out of reach of children.

### Conditions for safe storage, including any incompatibilities

Follow all applicable local regulations for handling and storage. Utilize chemical segregation from acids.

### Specific uses

This product is a non-chromated surface pretreatment for preparing metal or composites for painting.

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

PRODUCT COMPOSITION	ACGIH TLV	OSHA PEL	NIOSH REL	U.S. WEEL TWA	EU IOELV TWA (mg/m <sup>3</sup> )	United Kingdom WEL	Canada OEL	Mexico OEL
DGBE	----	----	----	----	----	10 ppm; 10 mg/m <sup>3</sup> ; STEL15 ppm, 15 mins.	----	----

### Exposure controls

#### Ventilation:

Always provide good general, mechanical room ventilation where this chemical/material is used.

#### Respiratory Protection:

No special precautions.

#### Protective Gloves:

Wear chemical impervious gloves at all times while working with this product.

#### Eye Protection:

Recommend eye protection using safety glasses or goggles.

#### Skin Protection:

Suitable protective clothing to prevent skin contact

#### Work/Hygiene Practices:

Avoid contact with skin and eyes. Wash hands and face after handling.

#### Protective Clothing:

Wear suitable protective clothing to prevent skin contact.

#### Other Equipment:

Make safety shower, eyewash stations, and hand washing equipment available in the work area.

## Section 9: Physical and Chemical Properties

#### Appearance/Color:

Clear Amber

#### Physical State:

Liquid

#### Odor:

None

#### Odor Threshold:

Not Available

#### pH:

10.0-11.49

#### Melting Point/Freezing Point:

28 °F (-2 °C) Freezing point

#### Initial Boiling Point and Boiling Range:

219 °F (104 °C)

#### Flash Point:

Not Available

#### Evaporation Rate:

<1 (Butyl Acetate =1)

#### Flammability

Not Applicable for product

#### Vapor Pressure:

17.3 mmHg @ 20 °C

#### DGBE:

0.02 mmHg @ 20 °C

#### Vapor Density (AIR = 1):

Not Available

<b>Relative Density (@25 °C):</b>	0.96--1.04 (Water)
<b>Solubility (ies)</b>	100% in water
<b>Oxidizing Properties</b>	Not Available
<b>Partition Coefficient: n-octanol/water:</b>	Not Available
<b>Autoignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity:</b>	Not Available
<b>Corrosive:</b>	No

## Section 10: Stability and Reactivity

<b>Stability:</b>	Stable.
<b>Conditions to avoid:</b>	None
<b>Incompatibility (Materials to avoid):</b>	Strong acid solutions. This product will have an exothermic reaction with strong acid solutions.
<b>Hazardous Decomposition Products:</b>	None
<b>Hazardous Polymerization:</b>	Will not occur

## Section 11: Toxicological Information

There is no toxicological information available for the product or mixture.

GHS Required Criteria	Toxicity Criteria	Data	Comments	Chemical Constituent
Acute Toxicity	ATE <sub>Mix</sub> , (Oral) ATE <sub>Mix</sub> , (Dermal) LD <sub>50</sub> Oral Rat LD <sub>50</sub> Oral Rat LD <sub>50</sub> Dermal Rat	44,319 mg/kg >1million mg/kg 5,660 mg/kg 4,500 mg/kg 2,700 mg/kg		Product Product DGBE DGBE DGBE
Skin Corrosion/Irritation		No information is available		
Serious Eye Damage / Eye Irritation		No information is available		
Respiratory or Skin Sensitization		No information is available		
Germ Cell Mutagenicity		No information is available		
Carcinogenicity		None listed None listed None listed	OSHA IARC NTP	
Reproductive Toxicity		No information is available		
STOST -- Single Exposure		No information is available		
STOST – Repeated Exposure		No information is available		
Aspiration Hazard		No information is available		
Ames test		No information is available		

ATE = Acute Toxicity Estimation, STOST = Specific Target Organ Systemic Toxicity

OTHER INFORMATION: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

## Section 12: Ecological Information

	Environmental Impacts	Chemical Constituents
Toxicity:	Acute LC <sub>50</sub> =1300000 ug/L Fresh water Fish - Lepomis macrochirus – 33 to 75 minutes, 96hr LC <sub>50</sub> =0.33 mg/L, Fish – Danio Rerio, 96hr (OECD Guideline203) EC <sub>50</sub> =0.29mg/L, Daphia magna, 48hr (OECD Guideline 202)	DGBE  TS1 TS1
Bioaccumulative potential	Log Pow = 0.3	DGBE
Persistence and degradability:	42% degradability, Aerobic	TS1
Mobility in soil:	No information is available.	
PBT and vPvB assessment:	No information is available.	
Other adverse effects:	No information is available.	

Note: Not all of the ingredients have been tested for ecotoxicity.

## Section 13: Disposal Considerations

### Waste from residues/unused products

Completely rinse container prior to disposal. Dispose of in accordance with Federal, state, and local regulations. Large quantities of waste may require adjustment to a neutral pH. None of the chemicals used in the product are listed as a Priority Pollutant in Appendix A to 40 CFR, Part 423—126 Priority Pollutants.

### Contaminated packaging

Contaminated packaging material should be disposed of as stated above for residues and unused product.

## Section 14: Transport Information

**DOT TRANSPORT:** Not Regulated

**ADR = International Carriage of Dangerous Goods by Road** Not Regulated

**RAIL TRANSPORT:** Not Regulated

**SEA TRANSPORT:** IMDG Not Regulated

**AIR TRANSPORT:** IATA/ICAO Not Regulated

## Section 15: Regulatory Information

### TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and/or orders of TSCA.

### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all SDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: None

### CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.

The California proposition 65 chemical(s) contained in this product are: None

### STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s):	Not listed
Massachusetts's hazardous substance(s):	Not listed
Pennsylvania hazardous substance code(s):	Not listed
New Jersey	Not listed

### CLEAN AIR ACT AMENDMENTS (1990):

#### SECTION 111, VOLATILE ORGANIC COMPOUNDS

This substance is subject to be compliant with emission standard of 40CFR Part 60: NNN, RRR

#### SECTION 112, HAZARDOUS AIR POLLUTANTS:

This substance is listed Hazardous Air Pollutant Glycol Ethers

CLEAN WATER ACT: None of the chemicals used in the product are listed as a Priority Pollutant in Appendix A to 40 CFR, Part 423—126 Priority Pollutants.

### CANADA:

WHMIS-2015: This SDS is in compliance with WHMIS 2015 (HPR / new HPA).

### JAPAN:

ENCS (Existing and New Chemical Substances): All components comply with ENCS inventory.

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Regulation (EC) No 1272/2008 on classification, labeling, and packaging (CLP) of substances and mixtures. None of the chemicals used in this product are on the EU's REACH SVHC (Substances of Very High Concern) chemicals list (as of June 16, 2014).

## **Section 16: Other Information**

Revision Number: 2.0  
Revision explanation: Information in sections 3, 9, 15 updated  
Information Sources: RTECS, ECHA, REACH, OSHA 29CFR 1910.1200, ENCS

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