



January, 2015

1. Identification

Name of the product: **Non-Alcohol/Non-Abrasive TouchScreen Cleaning System**

Product Identification Numbers: RR44007

Recommended use: Surface wipe

Use not recommended: Body wipe

Company: **Advantus Corporation**
12276 San Jose Blvd., Ste. 618
Jacksonville, FL 32223

Telephone: 904-482-0091

Fax number: 904-482-0099

Emergency: 1-800-327-1237

CHEMTREC (Transportation): 1-800-424-9300

CPR STATEMENT: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA). It is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

2. Hazard(s) identification

Emergency overview

OSHA Hazards: Eye Irritant

Signal word: None (Hazards do reach threshold required for least severe category.)

Pictogram: None (Hazards do not reach threshold required for least severe category.)

H315 Causes skin irritation

H320 Causes eye irritation

P281 Use personal protective equipment as required

Keep out of waterways.

3. Composition / Information on ingredients

Chemical identity: Water 96%

Common name: Water

Numbers of identity: CAS 7732-18-5

Chemical identity: Propyleneglycol methyl ether 2.86%

Common name: Glycol ether PM, PM

Numbers of identity: CAS 107-98-2

Impurities: None of toxicological significance.

The remainder of the ingredients and percentages are retained as being non hazardous per §1910.1200D.

4. First-aid measures

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+352 IF ON SKIN: Wash with soap and water

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water.

P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes.

Remove contact lenses if present and easy to do; continue rinsing.

5. Firefighting measures

Suitable extinguishing media : Product is not flammable.
 Use equipment appropriate for the main cause of a fire.
 Precautions:
 Special protective equipment for firefighters: No special protective equipment required.
 Flash point: Does not flash.
 Autoignition temperature: Does not ignite.
 Specific hazards in case of fire: Sulfur oxides produced if product is dried and burned.
 Special protective equipment and precaution for fire fighters: None required.

6. Accidental release measures

Personal precautions:
 Spill may be slippery.
 Environmental precautions:
 Prevent spills from entering storm sewers or drains and contact with soil.
 Methods and materials for containment and cleaning up:
 Vacuum or mop up for possible use or reclaim. Common industrial absorbents may be used.
 Dispose as non hazardous waste.

7. Handling and storage

Precautions for safe handling:
 Avoid contact with eyes. Avoid prolonged or repeated skin contact and breathing mists/vapors.
 Conditions for safe storage, including incompatibilities:
 Standard safe storage conditions are appropriate: avoid package damage and extremes in temperature: below 32° and above 120°F.

8. Exposure controls / personal protection

Information on the system design:
 Product is intended for external use only. Stay up wind, out of any spray developed.

Exposure Limits:

Component Name (CAS)	CAS	TWA ppm mg/m3	STEL ppm mg/m3
Propyleneglycol methyl ether	CAS 107-98-2		
	ACGIH	50 ppm	100 ppm
	NIOSH	100 ppm 360 mg/m ³	

Personal protective equipment

Respiratory protection: No requirement anticipated.
 Hand protection: Rubber gloves.
 Eye protection: Safety glasses with side-shields.
 Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures

Wash hands and face before breaks and immediately after handling the product.
 Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance: Clear green liquid
 Odor: Nil
 Odor threshold: Not available
 pH-value: <12
 Melting point: Not available
 Freezing Point: Not available
 Initial boiling point: Approximately 100°C.
 Flash point: Does not flash.
 Evaporation rate: Not available
 Flammability (solid, gas): Not applicable
 Explosion limits: Not explosive
 Vapor pressure: (highest partial vapor pressure) at 20°C: Not available
 Vapor density: Not available
 Relative density (water=1.00): 1.08 approx.
 Solubility: Totally soluble in water at 20°C
 Partition coefficient: Log Kow = Not applicable to mixture.
 Auto-ignition temperature: Not available
 Decomposition temperature: Not available
 Viscosity: Like water

10. Stability and reactivity

Chemical stability: No decomposition, if used according to specifications.
 Possibility of hazardous reactions: Hydrogen may be formed by contact with metals listed below.
 Conditions to avoid: No dangerous conditions known.
 Materials to avoid: Avoid concentrated contact with aluminum tin, lead or zinc coated metals.
 Hazardous decomposition products: None are known. Also see Section 5.

11. Toxicological information

Acute Toxicity: No information available for finished product.
 Test Propylene glycol methyl ether
 Oral Toxicity LD 50 (Mouse) 11,700 mg/kg
 Dermal Toxicity LD 50 (Rabbit) 13,000 mg/kg
 Inhalation Toxicity, Vapor Rat - 5 h - 10000 ppm
 Eye Irritation (Rabbit) Mild eye irritation - 24 h
 Dermal Irritation (Rabbit) No data
 Likely/ possible routes of exposure: Ingestion, skin and eye contact.
 Skin: The product is not expected to be toxic by skin absorption.
 Oral: The product is not expected to be toxic by ingestion.
 Inhalation: The product is not expected to be toxic by inhalation.
 H305 May be harmful if swallowed and enters airways
 Sensitization: The product is not expected to be sensitizing.
 Chronic toxicity: Prolonged skin contact may defat the skin and produce dermatitis.
 Carcinogenicity: Not listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.
 Summary Comments: Product may have a drying effect on the skin; frequent or prolonged contact may cause flaking or cracking of the skin.

12. Ecological information

Persistence and degradability: There is no data on the product.
 This product is expected to be inherently biodegradable.
 Bio-accumulative potential: There is no evidence to suggest bioaccumulation will occur.
 Mobility: Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.
 Ecotoxicity: The product has not been tested.

13. Disposal considerations

Product as supplied is not an unlisted hazardous waste.
 Dispose in accordance with local, state and federal regulations.

14. Transport information

Domestic transport: Not classified as dangerous goods under transport regulations.
 Sea transport (IMDG): Not classified as dangerous goods under transport regulations.
 Air transport (IATA/CAO): Not classified as dangerous goods under transport regulations.
 The description shown may not apply to all shipping situations. Consult 49CFR, OSHA or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name, labeling) and mode-specific or quantity-specific shipping requirements

15. Regulatory information

Inventory Status:

All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

None

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
None	Not applicable	Not applicable

The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations RTK
Propylene glycol methyl ether	CAS 107-98-2	MA, PA, NJ

16. Other information

MSDS Preparation date: January 3, 2015

California Prop. 65 chemicals: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Immediate	Yes	No	No	No	
Delayed	No	No	XXX	XXX	
HMIS Hazard ratings: Health 1 Fire 0 Instability 0 Other B (Goggles, gloves)					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					