

1 Identification of the substance/mixture and of the company/undertaking

- 1.1 **Product Identifier**
Trade Name: **Tommy Cloth & Window Cleaner**
Product Type: **Glass, Cloth and Bay Cleaner**
- 1.2 **Recommended Use:** **Commercial Car Wash**
- 1.3 **Details of the supplier of the safety data sheet**

Company: Tommy Car Wash Systems
581 Ottawa Ave, Suite 300
Holland, MI. 49423
Phone: 1-616-494-0771



- 1.4 **Emergency Information**
24 Hour Emergency Telephone: (231) 739-2068

2 Hazards Identification

- 2.1 **Classification of the substance or mixture**
Acute toxicity, Oral: **Category 4**
Acute toxicity, Dermal: **Category 4**
Serious eye damage: **Category 1**

- 2.2 **Label Elements**
Symbol(s)



Signal Word: **DANGER**
Hazard Statements: **May be harmful if swallowed.
Causes serious eye damage.
Harmful if in contact with skin.**
Precautionary Statements: **P261 - Avoid breathing mists/vapors/spray.
P262 - Do not get in eyes, on skin or clothing.
P280 - Wear protective gloves and eye protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER / doctor.
P302 - IF ON SKIN: Rinse area with water for several minutes.
P305 - IF IN EYES: Rinse cautiously with water, remove contact lens if any. Continue rinsing.
P337+P313: If eye irritation persists. Get medical attention or advice.**
HMIS-ratings (scale 0-4) **Definitions: 0-least, 1-slight, 2-Moderate, 3-High, 4-Extreme**

HEALTH	2
FIRE	0
REACTIVITY	0
Protection	B

3 Composition/Information on Ingredients

- 3.1 **Substances**

<u>CAS Number:</u>	<u>Component</u>	<u>% by weight (optional)</u>
144-62-7	Oxalic acid	

Chemical characterization: Mixture of the above ingredients to form a single uniform solution.

4 First aid measures**4.1 Description of first aid measures**

General Info: Take immediate first aid measures after contact. Seek medical attention as necessary.
 Inhalation: Ensure supply of fresh air. If breathing is difficult, consult a physician.
 Eye contact: Flush immediately with water, if irritation persists, consult physician.
 Skin contact: Wash with soap and water, if irritation persists, consult physician.
 Ingestion: Give large quantity of water, induce vomiting and seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Fire-fighting measures**5.1 Extinguishing media**

Suitable for use: foam, carbon dioxide, dry powder, water spray
 Not suitable for use: water jet is not recommended.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6 Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment, keep unprotected persons away. Ensure adequate ventilation during clean up.

6.2 Environmental precautions:

Do not allow to enter drains or waterways.
 Do not purposely discharge into the subsoil/soil.

6.3 Methods and material for containment and clean up:

Pick up and arrange disposal.

7 Handling & Storage**7.1 Precautions for safe handling**

Advice on safe handling: No special measures are necessary if stored and handled as prescribed.
 Handling: Caps should be tight and outside of container free of residue before moving.
 Hygiene measures: Do not eat or drink when using this product. Wash hands after using. Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin.
 General measures: Avoid contact with eyes and skin and do not inhale concentrated vapors.

7.2 Conditions for safe storage, including any incompatibilities**Prevention of fire and explosion**

Information: No special measures required.

Storage

Information: Store with lids tightly sealed. Keep at room temperature, out of direct sunlight. Best if used within 2 years of manufacturer date.

8 Exposure Controls/Personal Protection**8.1 Control parameters:****Components with limit values that require monitoring at the work place:**

Component	CAS-No.	Statutory basis/list	Value type	Value
Oxalic acid	144-62-7	ACGIH	TLV	1 mg/m ³

8.2 Exposure controls (continued from page 2)**Engineering controls**

Appropriate controls: Good general ventilation should be sufficient to control airborne levels.

Personal protective equipment

Eye Protection: Use chemical resistant goggles or safety glasses with side shields.

Hand Protection: Rubber gloves, non-absorbent

Body Protection: Protect parts of body that may come in contact with product.

Respiratory Protection: Not required unless product is atomized, then use a NIOSH approved respirator.

9 Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

<u>Product State:</u>	Liquid	<u>Auto Igniting:</u>	Not Determined
<u>Color:</u>	Clear	<u>Vapor Density:</u>	Not Determined
<u>Odor:</u>	None	<u>Vapor Pressure:</u>	Not Determined
<u>pH:</u>	1.3 at 9 g/l	<u>Evaporation Rate:</u>	Not Determined
<u>Boiling Point:</u>	N/A	<u>Viscosity:</u>	Not Determined
<u>Freeze Point:</u>	N/A	<u>Decomposition Temp:</u>	Not Determined
<u>VOC's % by wgt:</u>	Not Determined	Partition Coefficient octanol/water)	Not Determined
<u>Phosphorous %:</u>	Not Determined	<u>Flash Point °F:</u>	Not Determined
<u>Specific Gravity:</u>	Not Determined		
<u>Solubility:</u>	Not Determined		

10 Stability and Reactivity

10.1 Reactivity:	Stable
10.2 Chemical Stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Under proper storage and handling, no reactions are possible.
10.4 Conditions to avoid:	None known.
10.5 Incompatible materials:	Strong oxidizing agents
10.6 Hazardous decomposition products:	Amines, Carbon Dioxide

11 Toxicological Information**11.1 Information on toxicological effects****Acute toxicity of known****ingredients:****Oxalic Acid**

Oral: LD50 (rat): 1,080 mg/kg Dermal: LD50 (rabbit): 20,000 mg/kg Inhalation: No data available

Skin: Prolonged or repeated contact with strong forms may remove natural oils leading to dryness or rash.

Eye: Produces rapid serious eye irritation that is potentially damaging.

Ingestion: Harmful to mucous membranes, mouth, throat and stomach.

Inhalation: Concentrated mists may cause nausea or dizziness or worsen existing respiratory problems.

Carcinogens: This product has no ingredients known to be carcinogenic.

*No other toxicological data is available on this mixture.

12 Ecological Information

12.1-12.6 No ecological information is available nor has been performed on these sections.

General Notes:

Do not allow large quantities of undiluted product enter the ground, waterways or waste water canals.

High levels of surfactants and increased pH levels are harmful to aquatic life.

13 Disposal Considerations**13.1 Waste treatment methods**

Product: Offer surplus and non-recyclable solution to be a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

14 Transport Information

14.1 DOT (US) Not dangerous goods

14.2 IMDG Not dangerous goods

14.3 IATA Not dangerous goods

15 Regulatory Information**SARA 302 Components**

None

SARA 313 Components

None

SARA 311/312 Hazards

Acute health hazard, chronic health hazard

Massachusetts Right To Know Components

Oxalic Acid (CAS #144-62-7)

Pennsylvania Right To Know Components

Oxalic Acid (CAS #144-62-7)

16 Other Information**DISCLAIMER:**

Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Since conditions of use are beyond our control we make warranties, expressed or implied. If anything is added to this product the information presented here may be altered and could make this SDS invalid. This SDS shall not establish a legally valid contractual relationship.

LEGEND:

ACGIH: American Conference of Governmental Industrial Hygienists / CAS:Chemical Abstracts Services

CHEMTREC:Chemical Transportation Emergency Center / DOT:Department of Transportation

EHS:Extremely Hazardous Substances / EPA: Environmental Protection Agency

HMIS: Hazardous Materials Identification System / IARC:International Agency for Research on Cancer

LEL/UEL:Lower and Upper Explosive Limit / mg/m³:Milligrams per cubic meter / LD50:Lethal Dose 50%

NIOSH:National Institute of Occupational Health & Safety / NFPA:National Fire Protection Association

NTP:National Toxicology Program / OSHA:Occupational Safety & Health Administration

PEL:Permissible Exposure Limit / PPE:Personal Protective Equipment /

SARA:Super fund Amendments and Reauthorization Act / SDS:Safety Data Sheet / TLV:Threshold Limit Value

TWA:Time Weighted Average / TSCA:US Toxic Substance Control Act