

Material Safety Data Sheet

ORANGE LO

Section 1. Chemical Product and Company Information

Trade Name: ORANGE LO
Product Type: Acidic Car Wash Detergent
Manufacturer: Quest Transportation Technologies
By Pas International Corporation
3333 Production Court
Zeeland, MI. 49464
1-800-346-1028



Date Revised: 9/1/2010

Emergency Phone: 1-800-424-9300 (Chemtrec)

Section 2. Composition, Information about Formulation Ingredients

CAS Number:	Name:	% (optional)	UNITS (TLV)	Sara 313 Reportable
27176-87-0	Benzenesulfonic acids, dodecyl	<10	1 mg/m3	
Proprietary	Organic Acid Blend		NE	
111-76-2	2-butoxyethanol	<5	25 ppm skin	Yes
5989-27-5	D'Limonene		NE	
Proprietary	Surfactant Blend			

Section 3. Hazardous Identification

Emergency Notification: Mild acidic liquid.
Product Overview: Causes skin and eye irritation.
Harmful if swallowed.

Potential Health Effects

Eyes: Product will cause severe damage if not treated immediately.
Skin: May cause dryness, rash or sores at high concentrations.
Inhalation: Concentrated product mists can irritate respiratory system and may cause nausea.
Ingestion: Product may cause nausea or dizziness. Corrosive to internal organs.

Section 4. First Aid Procedures

Eyes: Flush eyes immediately with cool running water. Remove contact lenses and continue flushing for another 10-15 minutes. Get medical attention immediately!

Skin: Flush area with plenty of cool water for 10-15 minutes. Remove affected clothing and wash area under affected clothing for 10-15 minutes. Wash clothing articles before reuse. Contact a physician if any irritation persists or sores appear.

Inhalation: Remove person to fresh air immediately. If not breathing administer CPR. If breathing is difficult give oxygen and get medical attention.

Ingestion: Rinse the mouth, then drink 1-2 large glasses of water or milk. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5: Fire Fighting Procedures

Special Hazards Notification: Slippery where spilled.

Fire Fighting Media: Use water spray (fog), foam, dry chemicals or CO2.

Instructions: Dike area of fire to contain and prevent product run off.
Product will not burn. Treat area as for surrounding fire.

Special Equipment Needed: Fire fighters should wear chemical resistant equipment in case of spill and a self contained breathing apparatus with face shield in case of product spatter.

Section 6: Accidental Release Measures

Personal Precautions: Wear chemical resistant gloves, splash proof eye wear and protective clothing before attempting to move contaminated containers. Stop leak if no risk is involved.
Dike spills and prevent the product from entering sewers, basements or confined areas.

Environmental Precaution: Prevent this product from entering natural waterways or the ground.

Clean Up Procedures: Recover material and place into sealable plastic containers only. Rinse area with large quantities of water and flush to a sanitary sewer system. Comply with local, state and federal regulations for reporting spills. (See also Section 13).

Section 7: Handling and Storage

Handling: Do not get product in the eyes or mouth. Keep container sealed when not in use. Avoid breathing strong product mists. Wear chemical resistant gloves, eye protection when handling contaminated containers.

Storage: Keep container lids closed when not in use. Keep out of the reach of children. Store in room temperature and out of direct sunlight. Open lids slowly to release pressure. Best if used within 2 years of manufacture date. Consult with your representative should product be beyond the manufacture date.

Section 8. Personal Protection	ORANGE LO
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Personal Protection:

Eyes: Use splash proof goggles or glasses. In case of areas where product may splash or drip use a full face mask.

Skin: Use chemical resistant gloves for the hands, and use a synthetic apron to prevent further skin contact from splashing.

Respiratory: None normally required. In case of strong product mists or using in confined spaces select and use an OSHA approved breathing apparatus for product mists.

Ventilation: Local exhaust.

Other: Make sure eye wash and shower station is near by the area in case of emergency.

Section 9. Physical and Chemical Properties
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Product State: Viscous Liquid

Color: Orange

Odor: Citrus

pH @ 1%: 2.5-3.5

Boiling Point: N/A

VOC's % by wgt: <5

Phosphorous % by wgt: 0

Flash Point °F: >200

Solubility in Water: Complete

Specific Gravity: 1.02-1.03

Section 10. Stability and Reactivity

Stability: This product is stable

Reactivity: Reactive with oxidizers and strong bases.

Haz. Decomposition: Carbon Dioxide, Sulfur Dioxide

Section 11. Toxicological Information
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Overexposure Effects:

Skin: Dryness or rash, could lead to dermatitis.

Eyes: Will cause severe irritation and possible damage.

Inhalation: Concentrated mists may be harmful to the respiratory system and cause nausea.

Ingestion: Harmful to mucous membranes and internal organs. Harmful if swallowed.

Carcinogenicity: No known carcinogens

Other Studies: There is no other data available and no other studies have been performed on this product.

Section 12. Ecological Information

No Ecological Information is available on this product. However it is toxic or harmful to aquatic life. All detergents used are readily biodegradable. No phosphorous or phenols!

Section 13. Disposal Considerations
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Follow your local, state or federal regulations (contact DEQ) for proper disposal of chemicals. Small amounts of clean solution may be flushed with large amounts of water to sanitary sewer system.

Section 14. Transportation Information

Non Regulated Cleaning Detergent

Section 15. Regulatory Information

HCS Classification: None

U.S. Federal Regulations: None

TSCA 8 (b): All materials are listed or exempt

California Prop 65: None listed

<u>Hazardous Material:</u>		Health:		2
<u>Information System:</u>	USA	Fire Hazard:		0
		Reactivity:		0
		Personal Protection:		B

Section 16. Other Information

Disclaimer:

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