

# Material Safety Data Sheet

# DOUBLE ACTION 1 NC

## Section 1. Chemical Product and Company Information

**Trade Name:** DOUBLE ACTION 1 NC  
**Product Type:** Alkaline Detergent  
**Manufacturer:** Quest Transportation Technologies  
By Pas International Corporation  
3333 Production Court  
Zeeland, MI. 49464  
1-800-346-1028  
**Date Revised:** 7/1/2011



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

## Section 2. Composition, Information about Formulation Ingredients

CAS Number:	Name:	% (optional)	UNITS (TLV)	Sara 313 Reportable
6834-92-0	Sodium Metasilicate	<10	2 mg/m3	
141-43-5	Ethanol, 2-Amino		6 ppm STEL	Yes
64-02-8	EDTA, Tetra Sodium 39%	5 to 20	NE	
Proprietary	Surfactant			

## Section 3. Hazardous Identification

**Emergency Notification:** Contains a high amount of mild alkaline builders.  
**Product Overview:** Causes moderate skin irritation and severe eye irritation.  
Corrosive to internal organs and respiratory tract. Harmful or fatal if swallowed.

### Potential Health Effects

**Eyes:** Corrosive. Product will cause severe damage if not treated immediately.  
**Skin:** Will cause dryness or rash at high concentrations.  
**Inhalation:** Mists will cause nausea and dizziness.  
**Ingestion:** Corrosive. Product may cause nausea or dizziness. Harmful if swallowed.

## 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. 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

**Personal Protection:**

DOUBLE ACTION 1 NC

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

Product State: Liquid  
Color: Yellow  
Odor: Detergent / Amine  
pH @ 100%: 12.5-13.0  
Boiling Point: N/A  
VOC's % by wgt: 0  
Phosphorous % by wgt: 0  
Flash Point °F: None  
Solubility in Water: Complete  
Specific Gravity: 1.04-1.08

### Section 10. Stability and Reactivity

Stability: This product is stable  
Reactivity: Reactive with strong oxidizers.

Haz. Decomposition: Amines, carbon di oxide

### Section 11. Toxicological Information

Overexposure Effects:

Skin: Dryness or rash.  
Eyes: Will cause severe irritation and possible damage.  
Inhalation: Mists are harmful to the respiratory system.  
Ingestion: Harmful to mucous membranes. Harmful if swallowed.  
Carcinogenicity: Ethanol, 2-amino is a suspect carcinogen!  
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. Contains no phosphates or phenols.

### Section 13. Disposal Considerations

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 Material

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

### Section 16. Other Information

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