

# SAFETY DATA SHEET

## QAD 12.5

Page: 1

Printed: 03/31/2016

Revision: 11/02/2015

### 1. Product and Company Identification

**Product Code:** QAD 12.5  
**Product Name:** QAD 12.5  
**Company Name:** Casco Products Company, Inc.  
P.O. Box 850  
Brookhaven, MS 39602  
**Email address:** cascoproducts@bellsouth.net  
**Emergency Contact:** Chemtrec (800)424-9300  
Casco (601)833-8699  
**Information:** Casco (601)833-8699

### 2. Hazards Identification

**Skin Corrosion/Irritation, Category 1B****Aquatic Toxicity (Acute), Category 1****GHS Signal Word:** Danger**GHS Hazard Phrases:** H314: Causes severe skin burns and eye damage.  
H400: Very toxic to aquatic life.**GHS Precaution Phrases:** P264: Wash {hands} thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear {protective gloves/protective clothing/eye protection/face protection}.**GHS Response Phrases:** P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor/physician.  
P321: Specific treatment {see ... on this label}.  
P363: Wash contaminated clothing before reuse.  
P391: Collect spillage.**GHS Storage and Disposal Phrases:** P405: Store locked up.  
P501: Dispose of contents/container to {...}.**Potential Health Effects (Acute and Chronic):** Irritation and burning to eyes and skin. May cause irreversible eye damage. Corrosive.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	~ 6.25 %	
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl. (ethylphenyl)m	~ 6.25 %	
7732-18-5	Water	~87.5 %	

## 4. First Aid Measures

### Emergency and First Aid Procedures:

- In Case of Inhalation:** Move to fresh air. Start artificial respiration, if not breathing, preferably mouth to mouth. Call a poison control center or Doctor for treatment advice.
- In Case of Skin Contact:** Wash with soap and water thoroughly. Remove contaminated clothing and wash before re-use. Seek medical attention for treatment of chemical burns.
- In Case of Eye Contact:** Flush eye with plenty of water for at least 15-20 minutes, while holding lid open. If contacts are present, remove after the first 5 minutes, and continue rinsing eyes. Seek medical attention immediately after flushing.
- In Case of Ingestion:** Call a poison control center or Doctor for treatment advice. Do not induce vomiting. Give small sips of water, if able to swallow. Never give anything by mouth to an unconscious person.

## 5. Fire Fighting Measures

- Flash Pt:** > 200.00 F Method Used: Pensky-Marten Closed Cup
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- Suitable Extinguishing Media:** Water, CO2, Foam
- Fire Fighting Instructions:** Water spray to cool fire exposed containers. Use self contained breathing apparatus if exposed to fumes. Irritating and toxic gases or fumes may be released during a fire.
- Flammable Properties and Hazards:** No data available.
- Hazardous Combustion Products:** No data available.

## 6. Accidental Release Measures

- Protective Precautions, Protective Equipment and Emergency Procedures:** See PPE or exposure section for equipment needed.
- Environmental Precautions:** Dike well ahead of large spills.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Keep unauthorized personnel from the area. Ventilate and stay upwind of area. Pick up with absorbent material and sweep up for disposal. Wash down area with water.

## 7. Handling and Storage

- Precautions To Be Taken in Handling:** Avoid contact with eyes and skin. Use in well ventilated area.
- Precautions To Be Taken in Storing:** Keep in cool, dry area in original container. Prevent exposure to heat or direct sunlight.
- Other Precautions:** Use in well ventilated area.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	No data.	No data.	No data.
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.(.ethylphenyl)m	No data.	No data.	No data.

# SAFETY DATA SHEET

## QAD 12.5

Page: 3

Printed: 03/31/2016  
Revision: 11/02/2015

7732-18-5	Water	No data.	No data.	No data.
-----------	-------	----------	----------	----------

**Respiratory Equipment (Specify Type):** Use in well ventilated area. If irritation occurs or exposure limits are exceeded, use a NIOSH full face respirator with appropriate vapor cartridge.

**Eye Protection:** Full face shield if splashing could occur. Chemical splash goggles.

**Protective Gloves:** Neoprene, Rubber or Nitrile gloves. Protect arms from exposure.

**Other Protective Clothing:** Clothing impervious to chemical exposure. Plastic aprons and rubber boots.

**Engineering Controls (Ventilation etc.):** Use in well ventilated area.

**Work/Hygienic/Maintenance Practices:** Use good hygienic practices during use.

## 9. Physical and Chemical Properties

**Physical States:** ☐ Gas ☒ Liquid ☐ Solid

**Appearance and Odor:** Appearance: Faded Yellow Liquid  
Odor: Benzaldehyde-like odor

**pH:** No data.

**Melting Point:** No data.

**Boiling Point:** ~ 212.00 F

**Flash Pt:** > 200.00 F Method Used: Pensky-Marten Closed Cup

**Evaporation Rate:** ~ 1.25

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Vapor Density (vs. Air = 1):** No data.

**Specific Gravity (Water = 1):** ~ 1.10

**Solubility in Water:** No data.

**Octanol/Water Partition Coefficient:** No data.

**Autoignition Pt:** No data.

**Decomposition Temperature:** No data.

**Viscosity:** No data.

## 10. Stability and Reactivity

**Stability:** Unstable ☐ Stable ☒

**Conditions To Avoid - Instability:** Heat and strong oxidizing agents.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** No data available.

**Possibility of Hazardous Reactions:** Will occur ☐ Will not occur ☒

**Conditions To Avoid - Hazardous Reactions:** No data available.

# SAFETY DATA SHEET

## QAD 12.5

Page: 4

Printed: 03/31/2016  
Revision: 11/02/2015

### 11. Toxicological Information

**Toxicological Information:** No data available.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### 12. Ecological Information

No data available.

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of in accordance with Federal, State and Local regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** (Quaternary Ammonia Disinfectant)

**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN1903

**Packing Group:** III



### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	No	No	No
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.(.(ethylphenyl)m	No	No	No
7732-18-5	Water	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Acute (immediate) Health Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Chronic (delayed) Health Hazard
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Fire Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Sudden Release of Pressure Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Reactive Hazard

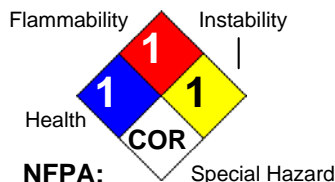
### 16. Other Information

**Revision Date:** 11/02/2015

**Hazard Rating System:**

HEALTH	1
FLAMMABILITY	1
PHYSICAL	1
PPE	D

**HMIS:**



**Additional Information About This Product:** No data available.

**This Product:**

**Company Policy or Disclaimer:**

All responsibility for the proper use, storage and handling of this product is the responsibility of the buyer. Casco Products Company, Inc. makes no other claims or warranties, expressed or implied. While the information is believed to be accurate, Casco Products Company, Inc. makes no representations as to its accuracy or sufficiency, conditions of use are beyond Casco Products Company, Inc. control and

# SAFETY DATA SHEET

## QAD 12.5

Page: 5

Printed: 03/31/2016

Revision: 11/02/2015

therefore users are responsible to verify data under their own operating conditions.