

DESCO Super Q Sol

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture

Product Name: DESCO Super Q Sol
Product Use: Rig wash, degreaser concentrate
Manufacturer: South Coast Products
20 Southbelt Industrial Dr
Houston, TX 77047 USA
+1 713 225 0048

Emergency telephone number: +1 813 248 0585, 24 hours
Refer to code 0811

2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2A)
Carcinogenicity (Category 2)
Acute aquatic toxicity (Category 3)

GHS label elements

Symbol(s)



Signal Word

Warning

Hazard statements

H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H351 – Suspected of causing cancer.
H402 – Harmful to aquatic life.

Precautionary statements

P201 – Obtain special instructions before use.
P264 – Wash thoroughly after handling.
P273 – Avoid release to the environment.
P280 – Wear eye protection/face protection/protective gloves/protective clothing.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P308 + P313 – IF exposed or concerned: Get medical advice/attention.

Other hazards which do not result in classification

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS no.	Weight %
Trisodium phosphate dodecahydrate	10101-89-0	< 3
Potassium hydroxide	1310-58-3	< 1
Diethanolamine	111-42-2	< 1

4. FIRST AID MEASURES

- General:** If exposed or concerned, get medical attention or advice and show this safety data sheet to doctor in attendance.
- Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open. Get medical attention if redness or irritation persists.
- Skin contact:** Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation symptoms occur.
- Inhalation:** Move exposed person to fresh air. If breathing is irregular or stopped, give artificial respiration. Get medical attention if irritation develops and persists.
- Ingestion:** Do not induce vomiting and give large quantities of water. Get medical attention.

Special treatment:

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- General hazards:** Material will not readily burn.
- Suitable media:** Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable:** Do not use water jet.
- Combustion products:** Carbon monoxide, carbon dioxide.
- Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Wear appropriate personal protection equipment (see section 8).
- Environmental precautions:** Recover free product. Reuse if possible. Material is not environmentally toxic and is expected to biodegrade.

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7. HANDLING AND STORAGE

Handling: Wear appropriate personal protection equipment (see section 8). Do not eat, drink or smoke when using. Wash thoroughly after handling. Follow good hygiene and housekeeping practices.

Storage: Store in cool dry area in original or equivalent container in accordance with all regulations. Do not expose to extreme heat or cold. Store at 5° to 65°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Chemical name	CAS no.	OSHA PEL	ACGIH TWA
Diethanolamine	111-42-2	not established	2 mg/m ³ inhalable fraction and vapor

Engineering controls: Use with adequate ventilation.

Eye/face protection: Safety glasses. Ensure eye bath is to hand.

Hand protection: Rubber gloves if prolonged or repeated contact is unavoidable.

Skin protection: No additional protection required beyond normal industrial attire is required.

Respiratory protection: No special measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Fluorescent green liquid, mild odor

pH: 10-12

pH: 9 (1% solution in water)

Boiling point: 212°F (100°C)

Flash point: Not flammable

Evaporation rate: No data

VOC content: < 0.1% (1g/L)

Vapor pressure: No data

Vapor density: No data

Relative density: 1.0

Solubility: Completely soluble in water

Viscosity: 80-200 cps

10. STABILITY AND REACTIVITY

Chemical stability: Stable

Conditions to avoid: Extreme heat, extreme cold

Incompatible materials: Not applicable

Hazardous decomposition products: Not applicable

11. TOXICOLOGICAL INFORMATION

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Acute health effects

Acute toxicity:

Trisodium phosphate: LD50 Oral – rat – 6,500 mg/kg
LD50 Dermal – rabbit - >7,940 mg/kg

Potassium hydroxide: LD50 Oral – rat – 214 mg/kg

Eye irritation:

Trisodium phosphate: Eye irritation – rabbit – 4h – corrosive

Potassium hydroxide: Corrosive

Skin irritation/corrosivity:

Trisodium phosphate: Skin irritation – rabbit – moderately irritating

Potassium hydroxide: Corrosive

Potential chronic health effects

Sensitization:

No ingredients known to be sensitizers

Repeated dose toxicity:

Repeated exposure may cause drying and irritation of skin

Carcinogenicity:

Suspected of causing cancer. Diethanolamine (CAS-No. 111-42-2) is listed by IARC as 2B possibly carcinogenic to humans.

Germ cell mutagenicity:

No ingredients known to have mutagenic effects

Reproductive toxicity:

No ingredients known to have reproductive effects

STOT repeated exposure:

No known target organ effect from repeated exposure

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Trisodium phosphate: LC50 – rainbow trout – 96h – 260 mg/L
LC50 – bluegill sunfish – 96h – 440 mg/L
EC50 – daphnia magna – 48h - >1000 mg/L

Potassium hydroxide: LC50 – mosquito fish – 96h – 80 mg/L
LC50 – fathead minnow – 96h – 179 mg/L
EC50 – daphnia magna – 48h – 60 mg/L
EC50 – Selenastrum capricornutum – 96h – 61 mg/L

Persistence/degradability:

Expected to be biodegradable

Bioaccumulation:

Not expected to bioaccumulate

Mobility:

No information available

Results of PBT assessment:

No information available

13. DISPOSAL CONSIDERATIONS

Waste disposal:

Generation of waste should be avoided or minimized where possible.
Follow all applicable regulations.

14. TRANSPORT INFORMATION

DOT (US): Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

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15. REGULATORY INFORMATION

US Regulations

Ingredients in this product subject to the reporting requirements of SARA Section 302 (40 CFR 355 Appendix A) or CERCLA (40 CFR 302.4): Potassium hydroxide, CAS-No. 1310-58-3; Diethanolamine, CAS-No. 111-42-2

SARA 313 Components: Diethanolamine, CAS-No. 111-42-2.

State Regulations

California Prop 65: WARNING: This product contains a chemical known to the state of California to cause cancer: Diethanolamine, CAS-No. 111-42-2.

Massachusetts Right to Know: No ingredients listed.

New Jersey Right to Know: Potassium hydroxide, CAS-No. 1310-58-3; Diethanolamine, CAS-No. 111-42-2

Pennsylvania RTK Hazardous Substances: Potassium hydroxide, CAS-No. 1310-58-3; Ethanol, 2,2'-iminobis-, CAS-No. 111-42-2

United States inventory (TSCA): All ingredients listed or exempt.

International regulations

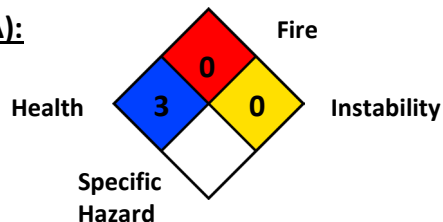
Canada: WHMIS Classification: D2A – carcinogenicity, reproductive toxicity. D2B – skin/eye irritation. **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. **Canada Domestic Substances List:** All ingredients listed or exempt.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

HEALTH	3*
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	B

National Fire Protection Association (USA):



Revision information: Original GHS issue 30 Oct 2014. Rev 1: corrected to include diethanolamine CAS No. 111-42-2 6 Oct 2015. Rev 2: reviewed, no changes. Rev 3: reviewed with no changes. Rev 4: reviewed with no changes.

END OF SAFETY DATA SHEET