

Desco Valve Cut Safety Data Sheet

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

Identification of the substance or mixture

Product Name: Desco Valve Cut
Product Use: Valve cleaner
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 0531

2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2)
Reproductive toxicity (Category 1B)
Specific target organ systemic toxicity – single exposure (Category 3)

GHS label elements

Symbol(s)



Signal Word

Danger

Hazard statements

H315 – Causes skin irritation
H319 – Causes serious eye irritation
H335 – May cause respiratory irritation
H360 – May damage fertility or the unborn child

Precautionary statements

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water
P304 + P340 – IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

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P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313 – If exposed or concerned: Get medical advice/attention

Other hazards which do not result in classification

High pressure injection under skin is a medical emergency.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	Concentration
N-methyl-2- pyrrolidone* CAS-No. 872-50-4 EC-No. 212-828-1 Index-No. 606-021-00-7	45-50%
*Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)	

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. High pressure injection under skin is a medical emergency.
- 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

- Suitable media:** Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable:** Do not use water jet.
- Combustion products:** Carbon monoxide, carbon dioxide, products of incomplete hydrocarbon combustion, nitrogen oxides (NO_x).
- 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.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protection equipment (see section 8).
Environmental precautions: Recover free product. Use suitable oil adsorbent and dispose of material in accordance with all regulations. Keep product out of sewers and watercourses, prevent soil penetration. Advise authorities if large amounts of product enter waterways or extensive land areas.

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 flame. Store below 65°C, away from strong oxidizers and acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Chemical name	CAS no.	USA WEELs TWA
N-methyl-2-pyrrolidone	872-50-4	10 ppm (skin)

Engineering controls: Use with adequate ventilation.
Eye/face protection: Safety glasses. Ensure eye bath is to hand.
Hand protection: Solvent resistant 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: Black viscous liquid, solvent odor
pH: No data
Flash point: 91°C (196°F)
Evaporation rate: No data
Upper flammability limit: Not applicable
Lower flammability limit: Not applicable
Vapor pressure: No data
Vapor density: No data
Relative density: 1.0
Solubility: Partially soluble in water, soluble in alcohols
Viscosity: Cone penetration 300-330

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10. STABILITY AND REACTIVITY

Chemical stability: Stable
Conditions to avoid: Extreme heat, open flames, welding arcs
Incompatible materials: Strong oxidizers, acids, alkalis
Hazardous decomposition products: Various hydrocarbons, carbon monoxide, nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Information on N-methyl-2-pyrrolidone

Acute toxicity:

Ingestion: LD50: 4150 mg/kg (rat)

Skin contact: LD50: >5000 mg/kg (rat)

Inhalation: LC50: >5.1 mg/L (4 hour) (rat)

Eye irritation: Causes serious eye irritation

Skin irritation/corrosivity: Causes skin irritation. Prolonged or repeated skin contact may remove oils from skin resulting in drying, redness or dermatitis

Potential chronic health effects

Information on product

Sensitization: Not a sensitizer

Repeated dose toxicity: Repeated exposure may cause drying of skin from loss of skin oils

Carcinogenicity: No ingredients listed as carcinogens

Mutagenicity: Not mutagenic

Reproductive toxicity: May damage fertility or the unborn child

STOT repeated exposure: No known target organ effect from repeated exposure

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
N-methyl-2-pyrrolidone	Scenedesmus subspicatus, 72h, EC50: 125 mg/L	Oncorhynchus mykiss, 96h, LC50: >500 mg/L	Daphnia magna, 24h, EC50: >1000 mg/L

Persistence/degradability: Readily biodegradable

Bioaccumulation: Not expected to bioaccumulate

Mobility: No information available

Results of PBT assessment: Not considered to be persistent, bioaccumulating or toxic (PBT). Not considered to be very persistent or very bioaccumulating (vPvB)

Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

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Waste disposal: Generation of waste should be avoided or minimized where possible. Empty containers may contain residue. Follow all applicable local, regional and national regulations.

14. TRANSPORT INFORMATION

Transport information according to ADR, RID, ADN, IMDG, ICAO, IATA: Not regulated

15. REGULATORY INFORMATION

US Regulations

No ingredient in this product is subject to the reporting requirements of SARA Section 302 (40 CFR 355 Appendix A) or CERCLA (40 CFR 302.4)

SARA 313 Components: N-methyl-2-pyrrolidone, CAS no. 872-50-4

State Regulations

California Prop 65: N-methyl-2-pyrrolidone, CAS no. 872-50-4 (birth defects and reproductive harm)

Massachusetts Right to Know: N-methyl-2-pyrrolidone, CAS no. 872-50-4

New Jersey Right to Know: N-methyl-2-pyrrolidone, CAS no. 872-50-4

Pennsylvania RTK Hazardous Substances: N-methyl-2-pyrrolidone, CAS no. 872-50-4

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

International regulations

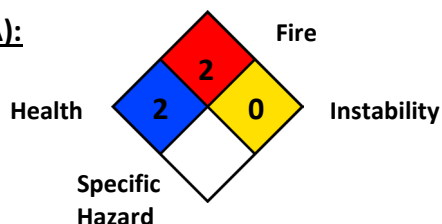
Canada: WHMIS Classification: D2A (reproductive toxicity, teratogenicity). **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. **Canada Domestic Substances List:** All ingredients listed or exempt.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

HEALTH	2*
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	B

National Fire Protection Association (USA):



Revision information: Rev. 1: Revised Section 13 disposal instructions. Rev 2: reviewed with no changes. Rev 3: flash point corrected in Section 9. Rev 4: reviewed with no changes. Rev 5: revised reproductive toxicity in Sections 2 and 11. Rev 6: reviewed, no changes.

END OF SAFETY DATA SHEET