

# Desco Valve Flush NSR

## Safety Data Sheet

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

#### Identification of the substance or mixture

**Product Name:** Desco Valve Flush NSR  
**Product Code:** 0556  
**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 0556

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids (Category 4)  
Acute toxicity, oral (Category 4)  
Acute toxicity, inhalation (Category 4)  
Acute toxicity, dermal (Category 4)  
Skin irritation (Category 2)  
Eye irritation (Category 2)

#### GHS label elements

##### Symbol(s)



##### Signal Word

Warning

##### Hazard statements

H227 – Combustible liquid  
H302 + H312 + H332 – Harmful if swallowed, in contact with skin or if inhaled  
H315 – Causes skin irritation  
H319 – Causes serious eye irritation

##### Precautionary statements

P210 – Keep away from heat/sparks/open flames/hot surfaces. –No smoking.  
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.

# Desco Valve Flush NSR

## Safety Data Sheet



P304 + P340 – IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

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.

Rapidly absorbed through skin.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

Component	Concentration
<b>2-Butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve</b> CAS-No. 111-76-2 EC-No. 203-905-0 Index-No. 603-014-00-0	80-100%

## 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, CO<sub>2</sub>, water spray (fog) or foam.

**Not suitable:** Do not use water jet.

**Combustion products:** Carbon monoxide, carbon dioxide, unburned hydrocarbons (smoke).

**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.

# Desco Valve Flush NSR

## Safety Data Sheet



### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear appropriate personal protection equipment (see section 8). Remove all sources of ignition. Avoid breathing vapors. Ensure adequate ventilation. Vapors can accumulate in low areas.

**Environmental precautions:** Recover free product. Use suitable oil adsorbent and dispose of material in closed containers 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). Keep away from sources of ignition. Do not eat, drink or smoke when using. Wash thoroughly after handling. Follow good hygiene and housekeeping practices.

**Storage:** Store tightly closed in cool dry area in original or equivalent container in accordance with all regulations. Do not expose to extreme heat or flame. No smoking. Store below 50°C, away from strong oxidizers and acids.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:**

Chemical name	CAS no.	USA WEELs TWA
2-butoxyethanol	111-76-2	20 ppm (ACGIH)
		5 ppm (NIOSH)
		50 ppm (OSHA)

**Engineering controls:** Use with adequate ventilation.

**Eye/face protection:** Safety glasses as a minimum. Conditions may warrant use of splash-proof goggles or face shield. Ensure eye bath is to hand.

**Hand protection:** Solvent resistant (i.e. nitrile) gloves.

**Skin protection:** Chemical resistant attire. Type should be selected based on amount of dangerous substance present in the workplace and risk of splash.

**Respiratory protection:** If concentrations exceed exposure limits, use full-face respirator with multi-purpose combination cartridges. If respirator is sole means of protection, use full-face supplied air respirator.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and odor:** Colorless liquid, solvent odor

**pH:** No data available

**Flash point:** 68-70°C (154-158°F) – closed cup

# Desco Valve Flush NSR

## Safety Data Sheet



**Evaporation rate:** 0.1  
**Upper flammability limit:** 10.6% (V)  
**Lower flammability limit:** 1% (V)  
**Vapor pressure:** 13 hPa (10 mmHg) at 81°C (178°F)  
<1 hPa (<1 mmHg) at 20°C (68°F)  
**Vapor density:** 4.08 (air = 1)  
**Relative density:** 0.901 g/cm<sup>3</sup> at 20°C (68°F)  
**Solubility:** Completely miscible in water  
**Viscosity:** 6.4 mPa.s at 20°C (68°F)

### 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:** Carbon oxides  
**Hazardous reactions:** Reacts with air to form peroxides

### 11. TOXICOLOGICAL INFORMATION

#### Potential acute health effects

**Acute toxicity:**  
**Ingestion:** LD50: 1414 mg/kg (guinea pig)  
LD50: 1746 mg/kg (rat)  
Remarks: Ingestion may cause weakness and CNS depression.  
**Skin contact:** LD50: >2000 mg/kg (rat)  
**Inhalation:** LC50: 700 ppm, 7 hours (rat)  
Remarks: May cause nausea, headaches and CNS depression.  
**Eye irritation:** Causes moderate to severe eye irritation.  
**Skin irritation/corrosivity:** Causes skin irritation with prolonged or repeated contact.

#### Potential chronic health effects

**Sensitization:** Not a sensitizer.  
**Repeated dose toxicity:** Minimal risk to human health.  
**Carcinogenicity:** No ingredients listed as carcinogens.  
**Mutagenicity:** Not mutagenic in animal tests.  
**Reproductive toxicity:** No known reproductive effects.  
**STOT repeated exposure:** Eye irritant.

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity:

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
2-butoxyethanol	Microcystis aeruginosa, 192h, EC50: 35 mg/L	Lepomis macrochirus, 96h, LC50: 1490 mg/L	Daphnia magna, 48h, LC50: 835 mg/L

# Desco Valve Flush NSR

## Safety Data Sheet



**Persistence/degradability:** Expected to be readily biodegradable.  
**Bioaccumulation:** Low potential for bioaccumulation. BCF (estimated) = 3.0  
**Mobility:** Highly mobile in soil and likely to volatilize.  
**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

**Waste disposal:** Generation of waste should be avoided or minimized where possible. Empty containers may contain residue. Dispose of as hazardous waste via licensed waste disposal operator. Follow all applicable 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:** None.

#### State Regulations

**California Prop 65:** No ingredients listed.

**Massachusetts Right to Know:** 2-Butoxyethanol, CAS-No. 111-76-2

**New Jersey Right to Know:** 2-Butoxyethanol, CAS-No. 111-76-2

**Pennsylvania RTK Hazardous Substances:** 2-Butoxyethanol, CAS-No. 111-76-2

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

#### International regulations

**Canada: WHMIS Classification:** D2B (irritating to skin and eyes). **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.

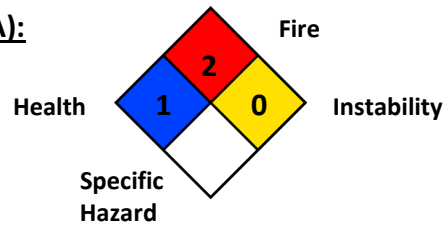
### 16. OTHER INFORMATION

#### Hazardous Material Information System (USA):

HEALTH	1
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	B

# Desco Valve Flush NSR Safety Data Sheet

National Fire Protection Association (USA):



**Revision information:** Original GHS issue 3 Dec 2013. Rev 1: reviewed with no changes. Rev 2: reviewed with no changes.

**END OF SAFETY DATA SHEET**