

# DESCO Super Penetrant Safety Data Sheet

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

### Identification of the substance or mixture

**Product Name:** Desco Super Penetrant  
**Product Code:** 0847  
**Product Use:** Penetrating oil, lubricant  
**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 0847

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Flammable liquids (Category 3)  
Aspiration hazard (Category 1)

### GHS label elements

#### Symbol(s)



#### Signal Word

Danger

#### Hazard statements

H226 – Flammable liquid and vapor  
H304 – May be fatal if swallowed and enters airways

#### Precautionary statements

P210 – Keep away from heat/sparks/open flames/hot surfaces. –No smoking.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER /doctor.  
P331 – Do NOT induce vomiting.  
P405 – Store locked up.

### Other hazards which do not result in classification

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

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Component	CAS-No.	Concentration
Distillates, petroleum, straight-run middle; mineral seal oil	64741-44-2	30-50%
Alkanes, C10-C13-iso; mineral spirits	68551-17-7	30-50%
n-Butyl acetate	123-86-4	10-20%

## 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

- 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.

## 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.

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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. Protect from moisture. Store below 40°C, away from strong oxidizers and acids.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:**

Chemical name	CAS no.	USA WEELS
n-Butyl acetate	123-86-4	150 ppm TWA (OSHA)
		200 ppm STEL (OSHA)
		150 ppm TLV (ACGIH)

**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 NIOSH-approved 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:**

Yellowish liquid, petroleum solvent odor

**pH:**

No data available

**Flash point:**

41°C (106°F) – closed cup

**Evaporation rate:**

No data available

**Upper flammability limit:**

No data available

**Lower flammability limit:**

No data available

**Vapor pressure:**

No data available

**Vapor density:**

No data available

**Relative density:**

0.8

**Solubility:**

No data available

**Viscosity:**

No data available

### 10. STABILITY AND REACTIVITY

**Chemical stability:**

Stable

**Conditions to avoid:**

Extreme heat, open flames, welding arcs

**Incompatible materials:**

Strong oxidizers, acids, alkalis

**Hazardous decomposition**

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

## 11. TOXICOLOGICAL INFORMATION

### Potential acute health effects

#### **Acute toxicity:**

*Distillates, petroleum, straight-run middle:*

LD50 Dermal – rat - >2000 mg/kg  
LC50 Inhalation – rat – 1.72 mg/L – 4h  
LD50 Oral – rat - >5000 mg/kg

*n-Butyl acetate:*

LD50 Oral – mouse – 7100 mg/kg  
LC50 Inhalation – rat – 2000 ppm

**Eye irritation:** May cause temporary redness, mild discomfort and blurred vision.

**Skin irritation/corrosivity:** May cause dry skin due to removal of oils from skin.

### Potential chronic health effects

#### **Sensitization:**

Not a sensitizer.

#### **Repeated dose toxicity:**

May cause dermatitis in individuals with pre-existing skin disorders.

#### **Carcinogenicity:**

No ingredients listed as carcinogens.

#### **Mutagenicity:**

No ingredients listed as mutagens.

#### **Reproductive toxicity:**

No ingredients with known reproductive effects.

## 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity:**

No data available.

#### **Persistence/degradability:**

Not expected to be readily biodegradable.

#### **Bioaccumulation:**

No data available.

#### **Mobility:**

No data available.

#### **Results of PBT assessment:**

No data available.

#### **Other adverse effects:**

No data 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:**

##### **US DOT:**

UN number: 1268

Proper shipping name: Petroleum distillates, n.o.s.

Class: 3

Packing group: III

Marine pollutant: No

##### **IMDG:**

UN number: 1268

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Proper shipping name: Petroleum distillates, n.o.s.  
Class: 3 Packing group: III  
Marine pollutant: No  
EMS Code: F-E, S-E  
**IATA:** UN number: 1268  
Proper shipping name: Petroleum distillates, n.o.s.  
Class: 3 Packing group: III

## 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:** None

**Massachusetts Right to Know:** None

**New Jersey Right to Know:** Alkanes, C10-13-iso-, CAS-No. 68551-17-7

**Pennsylvania RTK Hazardous Substances:** Alkanes, C10-13-iso-, CAS-No. 68551-17-7

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

### International regulations

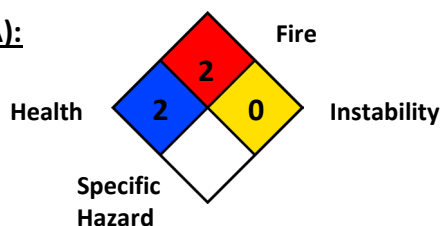
**Canada: WHMIS Classification:** B3 – Combustible liquid. **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. **Canada Domestic Substances List:** All ingredients listed or exempt.

## 16. OTHER INFORMATION

### Hazardous Material Information System (USA):

HEALTH	2
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	B

### National Fire Protection Association (USA):



**Revision information:** Original GHS issue 3 Nov 2014. Rev 1: reviewed with no changes. Rev 2: reviewed with no changes. Rev 3: reviewed with no changes.

**END OF SAFETY DATA SHEET**