

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, CO₂, 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

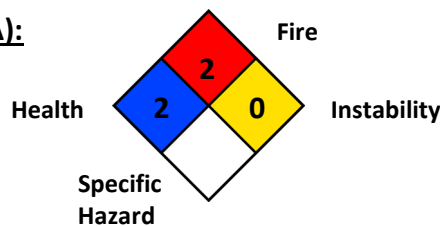
Canada: WHMIS Classification: B3 – Combustible liquid. **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. **Canada Domestic Substances List:** All ingredients listed or exempt.

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.

END OF SAFETY DATA SHEET