



Revision Number: 005.0

Issue date: 09/23/2025

## 1. IDENTIFICATION

|                                      |  |                     |               |
|--------------------------------------|--|---------------------|---------------|
| <b>Product name:</b>                 | <b>BONDERITE C-SO 283 SOLVENT CLEANER known as PARCOSOL 283</b>  | <b>IDH number:</b>  | 693246        |
| <b>Product type/Recommended use:</b> | Solvent cleaner  | <b>Item number:</b> | 693246        |
| <b>Restriction of Use:</b>           | None identified  | <b>Region:</b>      | United States |
| <b>Company address:</b>              | <b>Contact information:</b><br>Telephone: +1 (860) 571-5100<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |                     |               |

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:**

H225 - HIGHLY FLAMMABLE LIQUID AND VAPOUR.  
 H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  
 H315 - CAUSES SKIN IRRITATION.  
 H319 - CAUSES SERIOUS EYE IRRITATION.  
 H336 - MAY CAUSE DROWSINESS OR DIZZINESS.

| HAZARD CLASS                                     | HAZARD CATEGORY |
|--|-----------------|
| FLAMMABLE LIQUID                                 | 2               |
| SKIN IRRITATION                                  | 2               |
| EYE IRRITATION                                   | 2A              |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3               |
| ASPIRATION HAZARD                                | 1               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |  |
|--------------------|--|
| <b>Prevention:</b> | P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking.<br>P233 - Keep container tightly closed.<br>P240 - Ground and bond container and receiving equipment.<br>P241 - Use explosion-proof equipment.<br>P242 - Use non-sparking tools.<br>P243 - Take action to prevent static discharges.<br>P261 - Avoid breathing mist/vapours.<br>P264 - Wash affected area thoroughly after handling.<br>P271 - Use only outdoors or in a well-ventilated area.   |
| <b>Response:</b>   | P280 - Wear protective gloves, clothing, eye and face protection.<br>P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center.<br>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing.<br>P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P331 - Do NOT induce vomiting.<br>P332+P313 - If skin irritation occurs: Get medical attention.<br>P337+P313 - If eye irritation persists: Get medical attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse. |

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**Storage:** P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
**Disposal:** P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**Other hazards** Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s)                           | CAS Number | Weight %* |
|--|------------|-----------|
| acetone  | 67-64-1    | 60 - 80   |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 64742-49-0 | 10 - 30   |
| 2-Propanol                                       | 67-63-0    | 5 - 10    |
| Solvent naphtha (petroleum), heavy arom.         | 64742-94-5 | 5 - 10    |
| n-butyl acetate                                  | 123-86-4   | 1 - 5     |
| Cyclohexane                                      | 110-82-7   | 1 - 5     |
| Ethanol  | 64-17-5    | 0.1 - 1   |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

|  |   |
|--|---|
| <b>Inhalation:</b>   | If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist. |
| <b>Skin contact:</b>   | Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.             |
| <b>Eye contact:</b>  | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.   |
| <b>Ingestion:</b>  | Get immediate medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.                                      |
| <b>Most important symptoms and effects (acute and delayed):</b>                  | The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.              |
| <b>Indication of any immediate medical attention / special treatment needed:</b> | This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.                        |

### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Foam, extinguishing powder, carbon dioxide. In case of fire, keep containers cool with water spray.                              |
| <b>Improper extinguishing agents:</b>     | Not available.   |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.                                     |
| <b>Unusual fire or explosion hazards:</b> | DANGEROUS when exposed to heat or flame. This material can be ignited by flame or spark under all normal atmospheric conditions. |

**Hazardous combustion products:**

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection.

**Clean-up methods:**

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Provide adequate ventilation. Wash thoroughly after handling. Do not take internally. Keep away from heat, spark and flame. Ground and bond all equipment as required (when transferring products). Use non-sparking tools when opening or closing containers.

**Storage:**

For safe storage, store between 0 °C (32°F) and 35 °C (95°F). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

| Hazardous Component(s)                           | ACGIH TLV  | OSHA PEL                    | AIHA WEEL | OTHER |
|--|--|-----------------------------|-----------|-------|
| acetone  | 250 ppm TWA<br>500 ppm STEL  | 1,000 ppm (2,400 mg/m3) PEL | None      | None  |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | (SKIN)<br>100 ppm TWA  | 100 ppm (400 mg/m3) PEL     | None      | None  |
| 2-Propanol                                       | 200 ppm TWA<br>400 ppm STEL  | 400 ppm (980 mg/m3) PEL     | None      | None  |
| Solvent naphtha (petroleum), heavy arom.         | (SKIN) (as total hydrocarbon vapor)<br>Non-aerosol.<br>200 mg/m3 TWA<br>(as total hydrocarbon vapor)<br>Non-aerosol. | None                        | None      | None  |
| n-butyl acetate                                  | 150 ppm STEL<br>50 ppm TWA   | 150 ppm (710 mg/m3) PEL     | None      | None  |
| Cyclohexane                                      | 100 ppm TWA  | 300 ppm (1,050 mg/m3) PEL   | None      | None  |
| Ethanol  | 1,000 ppm STEL   | 1,000 ppm (1,900 mg/m3) PEL | None      | None  |

**Engineering controls:**

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

**Respiratory protection:**

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

**Eye/face protection:**

Wear chemical goggles; face shield (if splashing is possible).

**Skin protection:**

Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                                      |
|---|--------------------------------------|
| <b>Physical state:</b>  | Liquid                               |
| <b>Color:</b>   | White                                |
| <b>Odor:</b>  | Solvent                              |
| <b>Odor threshold:</b>  | Not available.                       |
| <b>pH:</b>  | Not applicable                       |
| <b>Vapor pressure:</b>  | Not determined                       |
| <b>Boiling point/range:</b>                                       | 56.1 °C (133°F)                      |
| <b>Melting point/ range:</b>                                      | Not available.                       |
| <b>Density/Relative density:</b>                                  | 0.77 - 0.81                          |
| <b>Relative vapor density:</b>                                    | Not determined                       |
| <b>Flash point:</b>   | -17 °C (1.4 °F) Tagliabue closed cup |
| <b>Flammable/Explosive limits - lower:</b>                        | Not applicable                       |
| <b>Flammable/Explosive limits - upper:</b>                        | Not applicable                       |
| <b>Autoignition temperature:</b>                                  | Not determined                       |
| <b>Flammability:</b>  | Not applicable                       |
| <b>Evaporation rate:</b>  | Not available.                       |
| <b>Solubility:</b>  | Insoluble Water                      |
| <b>Partition coefficient n-octanol/water (logarithmic value):</b> | Not determined                       |
| <b>VOC content:</b>   | 277.83 g/l EPA Method 24             |
| <b>Dynamic viscosity:</b>   | 0.5 - 2 mPa.s                        |
| <b>Kinematic viscosity:</b>                                       | Not available.                       |
| <b>Particle characteristics:</b>                                  | Not available.                       |
| <b>Decomposition temperature:</b>                                 | Not available.                       |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable at normal conditions.   |
| <b>Hazardous reactions:</b>              | Will not occur.  |
| <b>Hazardous decomposition products:</b> | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| <b>Incompatible materials:</b>           | Strong oxidizing agents.   |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | Keep away from heat, spark and flame.  |

## 11. TOXICOLOGICAL INFORMATION

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| <b>Likely routes of exposure:</b> | Skin, Inhalation, Eyes, Ingestion |
|-----------------------------------|-----------------------------------|

## Potential Health Effects/Symptoms

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Inhalation of vapors or mists of the product may be irritating to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. Continued overexposure may result in coma, respiratory arrest, and death.   |
| <b>Skin contact:</b> | Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis. Prolonged or repeated contact with this product may dry and/or defat the skin.   |
| <b>Eye contact:</b>  | This product is irritating to the eyes. This product may be severely irritating to the eyes.   |
| <b>Ingestion:</b>    | Harmful if swallowed. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision. Ingestion of this product may cause nausea, vomiting and diarrhea. |

| Hazardous Component(s)                           | LD50s and LC50s  |
|--|--|
| acetone  | Oral LD50 (Mouse) = 5.2 g/kg<br>Oral LD50 (Mouse) = 3,000 mg/kg<br>Oral LD50 (Rabbit) = 5,340 mg/kg<br>Oral LD50 (Rat) = 5,800 mg/kg<br>Oral LD50 (Rat) = 9,800 mg/kg<br>Dermal LD50 (Rabbit) = 20,000 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 76 mg/l<br>Inhalation LC50 (Rat, 4 h) = 50.1 mg/l   |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation LC50 (Rat, 4 h) = > 5,610 mg/m3<br>Inhalation LC50 (Rat, 4 h) = > 7,630 mg/m3   |
| 2-Propanol                                       | Oral LD50 (Rat) = 5,045 mg/kg<br>Oral LD50 (Mouse) = 3,600 mg/kg<br>Oral LD50 (Rabbit) = 6,410 mg/kg<br>Oral LD50 (Rat) = 4.7 g/kg<br>Oral LD50 (Mouse) = 4.5 g/kg<br>Oral LD50 (Rabbit) = 8.0 g/kg<br>Oral LD50 (Rabbit) = 5.03 g/kg<br>Dermal LD50 (Rabbit) = 12,800 mg/kg   |
| Solvent naphtha (petroleum), heavy arom.         | Inhalation LC50 (Rat, 4 h) = > 5.14 mg/l   |
| n-butyl acetate                                  | Oral LD50 (Rat) = 14,000 mg/kg<br>Oral LD50 (Rat) = 14,130 mg/kg<br>Inhalation LC50 (Rat, 4 h) = > 21 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 23.4 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 6.6 mg/l<br>Inhalation LC50 (Rat, 4 h) = 0.74 mg/l<br>Inhalation LC50 (Rat, 4 h) = 1.802 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 4.9 mg/l<br>Inhalation LC50 (Rat, 4 h) = 1109 ppm<br>Inhalation LC50 (Rat, 4 h) = 1087 ppm<br>Inhalation LC50 (Rat, 4 h) = > 71.5 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 21.1 mg/l<br>Inhalation LC50 (Rat, 4 h) = 1096 ppm |
| Cyclohexane                                      | Oral LD50 (Rat) = 29,820 mg/kg<br>Oral LD50 (Mouse) = 1,300 mg/kg<br>Inhalation LC50 (Rat, 4 h) = > 32,880 mg/m3<br>Inhalation LC50 (Rat, 4 h) = > 5540 ppm  |
| Ethanol  | Oral LD50 (Rat) = 9.9 g/kg<br>Oral LD50 (Rat) = 6.2 g/kg<br>Oral LD50 (Rat) = 17.8 g/kg<br>Oral LD50 (Rat) = 11.5 g/kg<br>Oral LD50 (Mouse) = 3,450 mg/kg<br>Oral LD50 (Rat) = 10.6 g/kg<br>Oral LD50 (Rat) = 7,060 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 133.8 mg/l<br>Inhalation LC50 (Rat, 4 h) = 124.7 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 115.9 mg/l<br>Inhalation LC50 (Rat, 4 h) = 130.7 mg/l<br>Inhalation LC50 (Rat, 4 h) = 128.2 mg/l<br>Inhalation LC50 (Rat, 4 h) = 116.9 mg/l<br>Inhalation LC50 (Mouse, 4 h) = 39 mg/l              |

| Hazardous Component(s)                           | Immediate Health Effects | Delayed Health Effects | Chronic Health Effects |
|--|--------------------------|------------------------|------------------------|
| acetone  | Irritant                 |                        | Central nervous system |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics |                          |                        |                        |
| 2-Propanol                                       | Irritant                 | Allergen               | Central nervous system |

|  |          |  |                        |
|--|----------|--|------------------------|
| Solvent naphtha (petroleum), heavy arom. | Irritant |  |                        |
| n-butyl acetate                          | Irritant |  | Central nervous system |
| Cyclohexane                              | Irritant |  | Central nervous system |
| Ethanol                                  | Irritant |  | Central nervous system |

| Hazardous Component(s)                           | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|--|-------------------------------|-----------------|---|
| acetone  | No                            | No              | No  |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | No                            | No              | No  |
| 2-Propanol                                       | No                            | Group 1         | No  |
| Solvent naphtha (petroleum), heavy arom.         | No                            | No              | No  |
| n-butyl acetate                                  | No                            | No              | No  |
| Cyclohexane                                      | No                            | No              | No  |
| Ethanol  | Known To Be Human Carcinogen. | Group 1         | No  |

## 12. ECOLOGICAL INFORMATION

Ecological information: Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Flammable liquids, n.o.s. (Acetone, n-Heptane)  
**Hazard class or division:** 3  
**Identification number:** UN 1993  
**Packing group:** II  
**DOT Hazardous Substance(s):** Acetone

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Flammable liquid, n.o.s. (Acetone, n-Heptane)  
**Hazard class or division:** 3  
**Identification number:** UN 1993  
**Packing group:** II

### Water Transportation (IMO/IMDG)

**Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Acetone, n-Heptane)  
**Hazard class or division:** 3  
**Identification number:** UN 1993  
**Packing group:** II

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.  
**TSCA 12 (b) Export Notification:** None above reporting de minimis  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Formaldehyde (CAS# 50-00-0).  
**CERCLA/SARA Section 313:** Please refer to the GHS classification in Section 2  
This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). 2-Propanol (CAS# 67-63-0). Cyclohexane (CAS# 110-82-7). acetone (CAS# 67-64-1) 5,000 lbs. (2,270 kg)  
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (CAS# 64742-49-0) 100 lbs. (45.4 kg)  
2-Propanol (CAS# 67-63-0) 100 lbs. (45.4 kg)  
Solvent naphtha (petroleum), heavy arom. (CAS# 64742-94-5) 100 lbs. (45.4 kg)  
**CERCLA Reportable quantity:**

**California Proposition 65:**

This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information****CEPA DSL/NDSL Status:**

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**16. OTHER INFORMATION**

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 09/23/2025

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