



## SAFETY DATA SHEET

Date issued: 02/16/2015

### MONTANA® PS3051 2K URETHAN SEALER

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code** PS3051 **Product Name** 2K URETHAN SEALER  
**Recommended use** A paint or paint constituent product

**UNITED STATES OF AMERICA**

**Company Name** **Manufacturer**  
ChemSpec USA, Inc.  
**Address** 9287 Smucker Road  
Orrville, Ohio  
44667

**Telephone** 1 330 669 8512  
**Facsimile** 1 330 669 3965

**Emergency Contact**  
**Contact Name** CHEMTREC  
**Contact number** 1-800-424-9300

#### SECTION 2. HAZARDS IDENTIFICATION

**Overall Nature** HAZARDOUS MIXTURE, DANGEROUS GOODS

**Classification reference SANS10234 (1272/2008/EC) :**

**Classification of the substance or mixture**

(H226) Flammable liquids, Hazard Category 3  
(H401) Hazardous to the aquatic environment ^ Acute Hazard, Category 1

**GHS label elements, including precautionary statements**

**Signal word** **Warning**  
**Pictograms**



#### Hazard and Precautionary Statements

**Hazard Statements**

Flammable liquid and vapor  
Very toxic to aquatic life

**Precautionary Statements**

**Prevention Statements**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment. – if the explosive is electrostatically sensitive.  
Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid release to the environment. – if this is not the intended use.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response Statements**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
In case of fire: Use powder/... for extinction.  
Collect spillage.

**Storage Statements**

Store in a well-ventilated place. Keep cool.

**Disposal Statements**

Dispose of contents/container in accordance with local/regional/ national/international regulations in accordance with local/regional/ national/international regulation

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product type** : Mixture **Generic name** : PAINT or PAINT RELATED MATERIAL

CAS No. : Not applicable    EU Index No : Not applicable    UN No : Not applicable

**HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS**

| Name                   | % m/m     | EC Labels | CAS Number | EC Index     |
|------------------------|-----------|-----------|------------|--------------|
| n-BUTYL ACETATE        | 10-30 %   |           | 123-86-4   | 607-025-00-1 |
| PENTYL ACETATE         | 10-30 %   | -         | 628-63-7   | 607-130-00-2 |
| ZINC (ORTHO) PHOSPHATE | 2.5-25 %  | N         | 7779-90-0  | o            |
| XYLENE                 | <12.5 * % | Xn        | 1330-20-7  | 601-022-00-9 |
| WHITE SPIRIT (WS3)     | <10 * %   | Xn        | 64742-88-7 | 649-405-00-X |

**Classification reference SANS10234 (1272/2008/EC) :**

| EC Index     | Classification   Hazard Code   |
|--------------|--|
| 607-025-00-1 | Flam. Liq. 3;STOT SE 3   H226;H336   |
| 607-130-00-2 | Flam. Liq. 3   H226  <br>o not found in T31                                  |
| 601-022-00-9 | Flam. Liq. 3;Acute Tox. 4 ;Acute Tox. 4 ;Skin Irrit. 2   H226;H332;H312;H315 |
| 649-405-00-X | Asp. Tox. 1   H304   |

**SECTION 4. FIRST AID MEASURES**

|                   |  |
|-------------------|--|
| <b>Inhalation</b> | Move to fresh air.   |
| <b>Skin</b>       | Always wash after being in contact with chemical substances.                         |
| <b>Eyes</b>       | Rinse with plenty of water. Seek medical advice if symptoms persist.                 |
| <b>Ingestion</b>  | Give plenty of water/milk. Induce vomiting if patient conscious. Get medical advice. |

**SECTION 5. FIRE FIGHTING MEASURES**

Suitable extinguishing media :

**Specific hazards arising from the chemical :**

No direct explosion hazard expected.  
Dried residues - combustible with toxic fumes.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Contain & collect. Caution - Can make floors slippery.  
Wear protective equipment (see Section 8). Keep unprotected persons away.  
Do not allow product to reach sewage system or any water course.  
Remove ignition sources and provide sufficient ventilation

**SECTION 7. HANDLING AND STORAGE**

**Storage :**

Inert substance with no special requirements for hazard containment.

**Handling :**

Ensure good ventilation/exhaustion at the workplace  
Do not spray on a naked flame or any incandescent material  
Eating, drinking and smoking in work areas is prohibited  
Wash hands after use  
Remove contaminated clothing and protective equipment before entering eating areas

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | In case of insufficient ventilation, use suitable respiratory protection. |
| <b>Skin</b>       | Observe the rules of hygiene. Wash before eating, drinking or smoking.    |
| <b>Eyes</b>       | Avoid direct contact. Never touch eyes with dirty hands or gloves.        |
| <b>Ingestion</b>  | Observe the rules of hygiene. Wash before eating, drinking or smoking.    |

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS**

| Name                   | CAS Number     | TWA OEL<br>(mg/m3) | TWA OEL<br>(ppm) | STOEL<br>(mg/m3) | STOEL<br>(ppm) | OEL<br>Type | Vap.Press.<br>(mmHg) |
|------------------------|----------------|--------------------|------------------|------------------|----------------|-------------|----------------------|
| 2K URETHANE SEALER     | Not applicable |                    |                  |                  |                |             |                      |
| Components :           |                |                    |                  |                  |                |             |                      |
| n-BUTYL ACETATE        | 123-86-4       | 710.               | 150.             | 950              | 200            | RL          | 8.7                  |
| PENTYL ACETATE         | 628-63-7       | 532.               | 100.             | 800              | 150            | RL          |                      |
| ZINC (ORTHO) PHOSPHATE | 7779-90-0      | 10/4               |                  |                  |                | T/R         |                      |
| XYLENE                 | 1330-20-7      | 435                | 100              | 650.             | 150.           | RL+ S       | 6.7                  |
| WHITE SPIRIT (WS3)     | 64742-88-7     | 575                | 100              | 720              | 125            | RL          |                      |

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

OEL Type : Mixture

Maintain air concentrations below occupational exposure standards, using engineering controls as necessary  
Appropriate hand protection and protective clothing must always be used  
Keep away from foodstuffs, beverages and feed  
Wash hands before breaks and at the end of work

**Paint Type** Mixture of synthetic resins, pigments and solvents  
**General PPE Requirements** For Mixing, Brush Application, Roller Application, Pouring, etc.

**Personal protective equipment :**  
**Skin PPE :** Overall and impervious gloves (e.g. nitrile rubber)  
**Respiratory PPE :** Air purifying respirator (e.g. cartridge type)  
**Eye PPE :** Face shield or solvent resistant goggles

**HMIS Rating (USA)** 1 - 0 - 0 - 1 (Health-Flam-Reactivity-PPE)  
**SAPMA Rating** 3-H-E PPE : Gloves, Respirator and Eye protection



**SPRAY BOOTH**  
**Spray booth Type** Spray booth complying with National Standards  
**Skin PPE** Nitrile Gloves  
**Eyes PPE** Face shield or solvent resistant goggles  
**Respiratory Protection** Air supplied full face piece or head covering respirator suitable for organic vapors/particulates

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

| Property                  | Value                      |
|---------------------------|----------------------------|
| Appearance                | Water based emulsion       |
| Odor                      | Slight                     |
| pH                        | 6-8                        |
| Boiling point             | >100°C                     |
| Melting point             | not available              |
| Flash point               | n/a°C                      |
| Explosive prop            | not available              |
| Oxidizing prop            | not available              |
| Vapor pressure            | not available              |
| Density                   | not available              |
| Water solubility          | miscible                   |
| Fat solubility            | Oil : insoluble            |
| Partition coefficient     | not available              |
| Viscosity                 | not available              |
| Vapor density             | not available              |
| Evaporation rate          | not available              |
| Auto ignition temperature | not available              |
| L.E.L.                    | not available              |
| U.E.L.                    | not available              |
| % non volatile            | not available              |
| Regulatory VOC            | 3.73 lbs./gallon(447 g./L) |
| Actual VOC                | 3.24 lbs./gallon(388 g./L) |

**SECTION 10. STABILITY AND REACTIVITY**

Stable under normal conditions  
 No reaction with fire-fighting water

**SECTION 11. TOXICOLOGICAL INFORMATION**

| Name                   | CAS Number | LD50 Oral<br>mg/kg | LD50 Skin<br>mg/kg | LC50 Inhal(gas)<br>ppmV | LC50 Inhal(mist)<br>mg/ltr |
|------------------------|------------|--------------------|--------------------|-------------------------|----------------------------|
| 2K URETHANE SEALER     | -          | >500               |                    |                         |                            |
| Components :           |            |                    |                    |                         |                            |
| n-BUTYL ACETATE        | 123-86-4   | 14000 mg (Rat)     | >5000 mg (Rabbit)  |                         |                            |
| PENTYL ACETATE         | 628-63-7   | 7400 mg (Rabbit)   |                    |                         |                            |
| ZINC (ORTHO) PHOSPHATE | 7779-90-0  |                    |                    |                         |                            |
| XYLENE                 | 1330-20-7  | 4300 mg (Rat)      | 5000 mg (Rabbit)   |                         |                            |
| WHITE SPIRIT (WS3)     | 64742-88-7 |                    |                    |                         |                            |

**Inhalation** Possible traces of free monomers. Can be irritating.  
**Skin** Direct contact to be avoided.  
**Eyes** Can cause damage.  
**Ingestion** Irritating and nauseating.

**SECTION 12. ECOLOGICAL INFORMATION**

May have short term environmental effects. Contain, monitor & remove  
 Aquatic toxicity : No further relevant information available  
 Persistence and degradability : No further relevant information available.  
 Bioaccumulative potential : No further relevant information available.

Mobility in soil : No further relevant information available.

Available ecological data of ingredients :

| Name   | CAS Number | Aquatic Toxicity   |
|--------|------------|--|
| XYLENE | 1330-20-7  | LC50 (goldfish) = 13 mg/L; 24 hr<br>LC50 (rainbow trout) = 13.5 mg/L; 96 h<br>EC50 Daphnia magna 3.82 mg/L, 48 h |

### SECTION 13. DISPOSAL INFORMATION

Can be eliminated from sewage/effluent by chemical flocculation.  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### SECTION 14. TRANSPORT INFORMATION

**UN Number** Not applicable Not classified as dangerous for transport  
**USA (DOT)** Not applicable Not classified as dangerous for transport  
**CANADA (TDG)** Not applicable Not classified as dangerous for transport



### SECTION 15. REGULATORY INFORMATION

**CANADIAN DSL INVENTORY** Components are listed on inventory list  
**USA TSCA INVENTORY** Components are listed on inventory list

**Canada**  
**WHMIS** **B-2** : Flammable liquid with Flash Point lower than 37.8°C (100°F)  
**D-2B** : Material causing other toxic effects

### SECTION 16. OTHER INFORMATION

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.  
HMIS Rating (USA) : 1 - 0 - 0 - I (Health-Flam-Reactivity-PPE)

#### Hazard (H) phrases associated with components

H226 : Flammable liquid and vapor  
H304 : May be fatal if swallowed and enters airways  
H312 : Harmful in contact with skin  
H315 : Causes skin irritation  
H332 : Harmful if inhaled  
H336 : May cause drowsiness or dizziness

#### Abbreviations

Code : Abbreviation : Meaning  
- : : flammable  
N : : dangerous for the environment  
Xn : : harmful  
==== : :  
: : Associated pictogram code shown in brackets  
H226 : Flam. Liq. 3 : (GHS02) Flammable liquids, Hazard Category 3  
H304 : Asp. Tox. 1 : (GHS08) Aspiration hazard, Hazard Category 1  
H312 : Acute Tox. 4 : (GHS07) Acute toxicity (dermal), Hazard Category 4  
H315 : Skin Corr/Irrit. 2 : (GHS07) Skin corrosion/irritation, Hazard Category 2  
H332 : Acute Tox. 4 : (GHS07) Acute toxicity (inhalation), Hazard Category 4  
H336 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Narcosis  
==== : :  
: : %m/m : Percent by mass  
: ACGIH : American Conference of Governmental Industrial Hygienist  
: ATE : Acute Toxicity Estimate  
: CAS : Chemical Abstracts Service  
: CHIP : Chemicals (Hazard Information and Packaging for supply)  
: CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
: CNS : Central Nervous System  
: DIN : Standard of the German Institute for Standardization  
: DOT : Department of Transport  
: EC : European Community  
: EC50 : Effective Concentration (Median) for 50% of the response under test  
: ECB : European Chemicals Bureau  
: ECHA : European Chemicals Agency, Helsinki ([http://echa.europa.eu/home\\_en.asp](http://echa.europa.eu/home_en.asp))  
: EEC : European Economic Community  
: EINECS : European Inventory of Existing Chemical Substances  
: ELINCS : European List of Notified Chemical Substances  
: GHS : Globally Harmonized System of Classification and Labelling of Chemicals  
: HMIS : Hazardous Materials Information System (USA only)  
: IATA : International Air Transport Association  
: IMDG : International Maritime Dangerous Goods Code  
: IMO : International Maritime Organization

: INS : Guidance on Identification and Naming of Substances under REACH, ECHA, 2007  
: ISO : International Standards Organization  
: L.E.L. : Lower explosive limit  
: LD50/LC50 : Median (50%) lethal dose/concentration  
: mg/m3 : Milligrams per cubic meter  
: MSDS : Material safety data sheet  
: n/a. : Not available  
: NC : No Classification  
: No : Number  
: OEL : Occupational exposure limit  
: OEL-CL : Occupational exposure limit - control limit  
: OEL-RL : Occupational exposure limit - recommended limit  
: OHS Act : Occupational Health and Safety Act  
: P statement : Precautionary statement  
: PEL : Permissible Exposure Limit  
: PPE : Personal protective equipment  
: ppm : Parts per million  
: REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals  
: RTDG : Regulations on the Transport of Dangerous Goods. Generic term that covers all modal transport regulations (ADR, RID, ADN, IMDG and ITDG)  
: SABS : South African Bureau of Standards  
: SANS : South African National Standards  
: SAPMA : South African Paint Manufacturers Association  
: SARA 313 : Toxic Release Inventory Reporting SRA Section 3  
: SDS : Safety Data Sheet  
: STOEL : Short-term occupational exposure limit  
: STOT-RE : Specific Target Organ Toxicity - Repeated Exposure  
: STOT-SE : Specific Target Organ Toxicity - Single Exposure  
: TDG : Transport of Dangerous Goods  
: TSCA : Toxic Substance Control Act (USA only)  
: TWA : Time weighted average  
: U.E.L. : Upper explosive limit  
: UN : United Nations  
: WHMIS : Workplace Hazardous Materials Information Systems (Canada only)  
: ===== :

---

This SDS conforms with General Administrative Regulations of 6 Sept.1996 (SANS11014:2010/ISO11014:2009)  
OEL's derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42). All information is given in good faith but without guarantee in respect of accuracy. No responsibility is accepted for errors or omissions or the consequences thereof.

**While all information is accurate to the best of our knowledge, we continue updating ALL SDS document formats in accordance with the most recent GHS mandated changes.**

(Date of issue: 2/16/2015 Date of Revision: 07/20/2016)