



## SAFETY DATA SHEET

Date issued: 02/16/2015

### MONTANA® PE2400 ACRYLIC URETHANE CLEAR

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code** PE2400 **Product Name** ACRYLIC URETHANE CLEAR  
**Recommended use** A paint or paint constituent product

##### UNITED STATES OF AMERICA

##### Manufacturer

**Company Name** 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**

- (H225) Flammable liquids, Hazard Category 2
- (H313) Acute toxicity (dermal), Hazard Category 5
- (H315) Skin corrosion/irritation, Hazard Category 2
- (H319) Serious eye damage/eye irritation, Hazard Category 2
- (H317) Sensitization ^ Skin, Hazard Category 1
- (H335) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation
- (H304) Aspiration hazard, Hazard Category 1
- (H401) Hazardous to the aquatic environment ^ Acute Hazard, Category 1
- (H411) Hazardous to the aquatic environment - Chronic Hazard, Category 2

##### **GHS label elements, including precautionary statements**

**Signal word** **Danger**

**Pictograms**



##### **Hazard and Precautionary Statements**

###### **Hazard Statements**

- Highly flammable liquid and vapor
- May be harmful in contact with skin
- Causes skin irritation
- Causes serious eye irritation
- May cause an allergic skin reaction
- May cause respiratory irritation
- May be fatal if swallowed and enters airways
- Very toxic to aquatic life
- Toxic to aquatic life with long lasting effects

###### **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 breathing dust/fume/gas/mist/vapors/spray.

Wash ... thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Avoid release to the environment. – if this is not the intended use.  
Wear protective gloves/protective clothing/eye protection/face protection.

#### Response Statements

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN: Wash with plenty of soap and water.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
Specific treatment (see ... on this label). ... Reference to supplemental first aid instruction.  
Do NOT induce vomiting.  
If skin irritation occurs: Get medical advice/ attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.  
Wash contaminated clothing before reuse.  
In case of fire: Use powder/... for extinction.  
Collect spillage.

#### Storage Statements

Store in a well-ventilated place. Keep container tightly closed. – if product is volatile so as to generate hazardous atmosphere.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

#### 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 :** 1263

#### HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	% m/m	EC Labels	CAS Number	EC Index
XYLENE	10-30 %	Xn	1330-20-7	601-022-00-9
n-BUTYL ACETATE	10-30 %		123-86-4	607-025-00-1
PENTYL ACETATE	1-5 %	-	628-63-7	607-130-00-2
AROMATIC HYDROCARBON SOLVENT	<20 %	Xn		o
ACETONE	<20 %	F Xi	67-64-1	606-001-00-8
o-DICHLOROBENZENE	<5 %	Xn N	95-50-1	602-034-00-7
SOLVENT NAPHTHA LIGHT AROM (ARO1) (Benzene < 0.1%)				
	<10 %	Xn	64742-95-6*	649-356-00-4
WHITE SPIRIT (WS3)	<10 * %	Xn	64742-88-7	649-405-00-X

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

EC Index	Classification   Hazard Code
601-022-00-9	Flam. Liq. 3; Acute Tox. 4 ;Skin Irrit. 2   H226;H332;H312;H315
607-025-00-1	Flam. Liq. 3;STOT SE 3   H226;H336
607-130-00-2	Flam. Liq. 3   H226
	o not found in T31
606-001-00-8	Flam. Liq. 2;Eye Irrit. 2;STOT SE 3   H225;H319;H336
602-034-00-7	Acute Tox. 4 ;Eye Irrit. 2;STOT SE 3;Skin Irrit. 2;Aquatic Acute 1;Aquatic Chronic 1   H302;H319;H335;H315;H400;H410
649-356-00-4	Carc. 1B;Muta. 1B;Asp. Tox. 1   H350;H340;H304
649-405-00-X	Asp. Tox. 1   H304

### SECTION 4. FIRST AID MEASURES

**Inhalation**      Move to fresh air.  
**Skin**      Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.  
**Eyes**      ACT FAST! Rinse immediately with plenty of water. Refer immediately to Doctor.  
**Ingestion**      DO NOT INDUCE VOMITING. Get immediate medical attention.

### SECTION 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media :

Foam. Dry powder. Fog to cool and control. Do NOT use water jets.

#### Specific hazards arising from the chemical :

Containers can burst in a fire. Can form explosive vapor/air mixture. Static discharge hazard!  
Highly flammable with toxic fumes.  
Cool containers in case of fire.

#### Special protective actions for fire-fighters :

Suitable extinguishing media : Foam, dry agent  
Substance reacts violently/is explosive  
For fires use breathing apparatus. If no fire, breathing apparatus not essential  
Prevent, by any means available, spillage from entering drains or water courses

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain & collect. Keep out of drains and sewers  
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 :

Store separately from : explosives, toxic gases, oxidizing substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),  
No open flames. No smoking. No sparks.  
Keep containers cool. Avoid free fall of liquid - use earthing.  
Subject to local bylaws

### 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

### Inhalation

In case of insufficient ventilation, use suitable respiratory protection.

### Skin

AVOID CONTACT. Use impervious gloves, apron and boots.

### Eyes

Use goggles. Avoid direct contact.

### Ingestion

Observe the rules of hygiene. Wash before eating or drinking.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	CAS Number	TWA OEL (mg/m3)	TWA OEL (ppm)	STOEL (mg/m3)	STOEL (ppm)	OEL Type	Vap.Press. (mmHg)
ACRYLIC URETHANE CLEAR	Not applicable						
Components :							
XYLENE	1330-20-7	435	100	650.	150.	RL+ S	6.7
n-BUTYL ACETATE	123-86-4	710.	150.	950	200	RL	8.7
PENTYL ACETATE	628-63-7	532.	100.	800	150	RL	
ACETONE	67-64-1	1780	750	3560	1500	RL	181
o-DICHLOROBENZENE	95-50-1	300	50	300	50	RL	
SOLVENT NAPHTHA LIGHT AROM (ARO1) (Benzene < 0.1%)	64742-95-6*	1200				RL	
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)

2 - 4 - 0 - I (Health-Flam-Reactivity-PPE)

### SAPMA Rating

2-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	Viscous liquid
Odor	Pungent
pH	not available
Boiling point	>35°C
Melting point	not available
Flash point	<-18°C
Explosive prop	not available
Oxidizing prop	not available
Vapor pressure	not available
Density	not available
Water solubility	not available
Fat solubility	not available
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	4.52 lbs./gallon (541 g/L)
Actual VOC	3.81 lbs./gallon (457 g/L)

## SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions

Prone to ignite by static

No reaction with fire-fighting water

Keep away from : explosives, toxic gases, oxidizing substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),

## SECTION 11. TOXICOLOGICAL INFORMATION

Name	CAS Number	LD50 Oral mg/kg	LD50 Skin mg/kg	LC50 Inhal(gas) ppmV	LC50 Inhal(mist) mg/lt
-	-				
ACRYLIC URETHANE CLEAR	Not applicable	>500			
Components :					
XYLENE	1330-20-7	4300 mg (Rat)	5000 mg (Rabbit)		
n-BUTYL ACETATE	123-86-4	14000 mg (Rat)	>5000 mg (Rabbit)		
PENTYL ACETATE	628-63-7	7400 mg (Rabbit)			
ACETONE	67-64-1	9750 mg (Rat)			
o-DICHLOROBENZENE	95-50-1	<500			
SOLVENT NAPHTHA LIGHT AROM (ARO1) (Benzene < 0.1%)	64742-95-6*	>5000 mg (Rat)			
WHITE SPIRIT (WS3)	64742-88-7				

**Inhalation**

Irritating.

**Skin**

Highly irritating. Risk of dermatitis. May be absorbed through intact skin.

**Eyes**

Highly Irritating and risk of irreversible damage.

**Ingestion**

Harmful. May cause lung damage if swallowed.

## 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 LC50 (rainbow trout) = 13.5 mg/L; 96 h EC50 Daphnia magna 3.82 mg/L, 48 h
o-DICHLOROBENZENE	95-50-1	LC50 (guppy) = 5.9 mg/L; 14 d LC50 (P.prom, F.min)=57 mg/L;96 h EC50 Daphnia magna 68 mg/L, 48 h EC50 (Algae) 14mg/L: 48h

## SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

## SECTION 14. TRANSPORT INFORMATION

UN Number 1263  
Shipping Name PAINT or PAINT RELATED MATERIAL  
IMO Class 3.2  
Packing Group II  
Action Code 127  
HazChem 3[Y]E  
Kemler Code 30

USA (DOT) UN1263  
CANADA (TDG) UN1263



## 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

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.  
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.  
HMIS Rating (USA) : 2 - 4 - 0 - I (Health-Flam-Reactivity-PPE)

### Hazard (H) phrases associated with components

H225 : Highly flammable liquid and vapor  
H226 : Flammable liquid and vapor  
H302 : Harmful if swallowed  
H304 : May be fatal if swallowed and enters airways  
H312 : Harmful in contact with skin  
H315 : Causes skin irritation  
H319 : Causes serious eye irritation  
H332 : Harmful if inhaled  
H335 : May cause respiratory irritation  
H336 : May cause drowsiness or dizziness  
H340 : May cause genetic defects  
H350 : May cause cancer  
H400 : Very toxic to aquatic life  
H410 : Very toxic to aquatic life with long lasting effects

### Abbreviations

Code : Abbreviation : Meaning  
- : : flammable  
F : : highly flammable  
N : : dangerous for the environment  
Xi : : irritant  
Xn : : harmful  
==== : :  
: : Associated pictogram code shown in brackets  
H225 : Flam. Liq. 2 : (GHS02) Flammable liquids, Hazard Category 2  
H226 : Flam. Liq. 3 : (GHS02) Flammable liquids, Hazard Category 3  
H302 : Acute Tox. 4 : (GHS07) Acute toxicity (oral), Hazard Category 4  
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  
H319 : Eye Dam/Irrit. 2 : (GHS07) Serious eye damage/eye irritation, Hazard Category 2  
H332 : Acute Tox. 4 : (GHS07) Acute toxicity (inhalation), Hazard Category 4  
H335 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation  
H336 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Narcosis  
H340 : Muta. 1B : (GHS08) Germ cell mutagenicity, Hazard Category 1A, 1B  
H350 : Carc. 1A / 1B : (GHS08) Carcinogenicity, Hazard Category 1A, 1B  
H400 : Aquatic. Acute 1 : (GHS09) Hazardous to the aquatic environment ^ Acute Hazard, Category 1  
H410 : Aquatic Chronic 1 : (GHS09) Hazardous to the aquatic environment ^ Chronic Hazard, Category 1  
==== : :  
: %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)  
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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.**

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 (Date of issue: 2/16/2015 Date of Revision: 07/19/2016)