



## SAFETY DATA SHEET

Date issued: 02/16/2015

### MONTANA<sup>®</sup> THU50 URETHANE REDUCER

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Code</b>	THU50	<b>Product Name</b>	URETHANE REDUCER
<b>Recommended use</b>	A paint or paint constituent product		
<b>UNITED STATES OF AMERICA</b>			
<b>Manufacturer</b>			
<b>Company Name</b>	ChemSpec USA, Inc.		
<b>Address</b>	9287 Smucker Road Orrville, Ohio 44667		
<b>Telephone</b>	1 330 669 8512		
<b>Facsimile</b>	1 330 669 3965		
<b>Emergency Contact</b>			
<b>Contact Name</b>	CHEMTREC		
<b>Contact number</b>	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
- (H336) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Narcosis
- (H304) Aspiration hazard, Hazard Category 1

**GHS label elements, including precautionary statements**

**Signal word** **Danger**

**Pictograms**



#### Hazard and Precautionary Statements

##### Hazard Statements

- Highly flammable liquid and vapor
- May cause drowsiness or dizziness
- May be fatal if swallowed and enters airways

##### 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.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

###### Response Statements

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- 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.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- Do NOT induce vomiting.
- In case of fire: Use powder/... for extinction.

###### 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
n-BUTYL ACETATE	30-60 %		123-86-4	607-025-00-1
NAPHTHA ? NOT EC SOLVENT - USE 81.70 (Benzene < 0.1%)				
	5-10 %	Xn	8030-30-6*	649-262-00-3
2-METHOXY-1-METHYLETHYL ACETATE	<20 %	-	108-65-6	607-195-00-7
2-BUTOXY ETHYL ACETATE	<25 %	Xn	112-07-2	607-038-00-2
KEROSENE SOLVENT (KER1)	<10 %	Xn	64742-47-8	649-422-00-2
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
607-025-00-1	Flam. Liq. 3;STOT SE 3   H226;H336
649-262-00-3	Carc. 1B;Muta. 1B;Asp. Tox. 1   H350;H340;H304
607-195-00-7	Flam. Liq. 3   H226
607-038-00-2	Acute Tox. 4 ;Acute Tox. 4   H332;H312
649-422-00-2	Asp. Tox. 1   H304
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

<b>Inhalation</b>	Move to fresh air.
<b>Skin</b>	Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention
<b>Eyes</b>	Rinse immediately with plenty of water. Seek medical advice if symptoms persist.
<b>Ingestion</b>	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** Use barrier cream and impervious gloves.  
**Eyes** Use face shield & goggles or full face respirator/hood. 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)
URETHANE REDUCER	Not applicable						
Components :							
n-BUTYL ACETATE	123-86-4	710.	150.	950	200	RL	8.7
NAPHTHA ? NOT EC SOLVENT - USE 81.70 (Benzene < 0.1%)	8030-30-6*	1370	300			RL	
2-METHOXY-1-METHYLETHYL ACETATE	108-65-6						
2-BUTOXY ETHYL ACETATE	112-07-2						
KEROSENE SOLVENT (KER1)	64742-47-8	1200				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	7.28 lbs./gal (872 g/L)
Actual VOC	7.28 lbs./gal (872 g/L)

## SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions

Could generate static - USE EARTHING

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
URETHANE REDUCER	-	>500			
Components :	Not applicable	>500			
n-BUTYL ACETATE	123-86-4	14000 mg (Rat)	>5000 mg (Rabbit)		
NAPHTHA ? NOT EC SOLVENT - USE 81.70 (Benzene < 0.1%)	8030-30-6*	>5000 mg (Rat)			
2-METHOXY-1-METHYLETHYL ACETATE	108-65-6				
2-BUTOXY ETHYL ACETATE	112-07-2	3200 mg (Mouse)	1580 mg (Rat)		
KEROSENE SOLVENT (KER1)	64742-47-8				
SOLVENT NAPHTHA LIGHT AROM (ARO1) (Benzene < 0.1%)	64742-95-6*	>5000 mg (Rat)			
WHITE SPIRIT (WS3)	64742-88-7				

**Inhalation**

Irritating.

**Skin**

Irritating, risk of dermatitis.

**Eyes**

Irritating.

**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.

No available ecological data of ingredients :

## 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

H226 : Flammable liquid and vapor  
H304 : May be fatal if swallowed and enters airways  
H312 : Harmful in contact with skin  
H332 : Harmful if inhaled  
H336 : May cause drowsiness or dizziness  
H340 : May cause genetic defects  
H350 : May cause cancer

### Abbreviations

Code : Abbreviation : Meaning

- : : flammable

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

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

H340 : Muta. 1B : (GHS08) Germ cell mutagenicity, Hazard Category 1A, 1B

H350 : Carc. 1A / 1B : (GHS08) Carcinogenicity, Hazard Category 1A, 1B

=====: :

: : %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.**

(Date of issue: 02/16/2015 Date of analysis: 07/21/2016)