

# SAFETY DATA SHEET

Sid Harvey item# F3-21

SDS# Z0349

## 1. Product and Company Identification

<b>Product identifier</b>	<b>V-Belt Dressing (4086-03)</b>
<b>Other means of identification</b>	Not available
<b>Recommended use</b>	Belt dressing
<b>Recommended restrictions</b>	None known.
<b>Manufacturer</b>	Nu-Calgon 2008 Altom Court St. Louis, MO 63146 US Phone: 314-469-7000 / 800-554-5499 Emergency Phone: 1-800-424-9300 (CHEMTREC)

## 2. Hazards Identification

<b>Physical hazards</b>	Flammable aerosols	Category 1
	Gases under pressure	Liquefied gas
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Germ cell mutagenicity	Category 1B
	Reproductive toxicity (the unborn child)	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1
	Aspiration hazard	Category 1
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



**Signal word** Danger

**Hazard statement**

- Extremely flammable aerosol.
- Contains gas under pressure; may explode if heated.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- Causes eye irritation.
- May cause drowsiness or dizziness.
- May cause genetic defects.
- Suspected of damaging the unborn child.
- Causes damage to organs through prolonged or repeated exposure.

### Precautionary statement

#### Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe gas. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.

#### Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.

If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see this label). Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

If exposed or concerned: Get medical advice/attention.

#### Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep container tightly closed. Store locked up. Store in a well-ventilated place.

<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	Not applicable.

### 3. Composition/Information on Ingredients

#### Mixture

Chemical name	Common name and synonyms	CAS number	%
Heptane		142-82-5	30-60
Heptane, Branched, Cyclic And Linear		426260-76-6	30-60
Butane		106-97-8	10-30
Naphtha (petroleum), hydrotreated light		64742-49-0	10-30
Stoddard solvent		8052-41-3	10-30
Propane		74-98-6	3-7
Toluene		108-88-3	0.5-1.5

<b>Composition comments</b>	US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.
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### 4. First Aid Measures

<b>Inhalation</b>	If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
<b>Skin contact</b>	If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see product label).
<b>Eye contact</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause drowsiness or dizziness. May cause redness and pain. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. Do not puncture or incinerate container. Do not store at temperatures above 49°C. Keep away from sources of ignition. No smoking.

### 5. Fire Fighting Measures

<b>Suitable extinguishing media</b>	Powder. Foam. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out. Firefighters should wear a self-contained breathing apparatus.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Fire-fighting equipment/instructions</b>	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
<b>General fire hazards</b>	Extremely flammable aerosol.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of nitrogen. Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available.

## 6. Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing gas. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and Storage

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not re-use empty containers. Use only with adequate ventilation. Do not breathe gas. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use personal protective equipment as required. Wash thoroughly after handling. Keep container tightly closed. Avoid contact with eyes, skin and clothing.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

## 8. Exposure Controls/Personal Protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Heptane (CAS 142-82-5)	PEL	2000 mg/m3 500 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm
Stoddard solvent (CAS 8052-41-3)	PEL	2900 mg/m3 500 ppm

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm
Heptane (CAS 142-82-5)	STEL	500 ppm
	TWA	400 ppm
Stoddard solvent (CAS 8052-41-3)	TWA	100 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m3

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Heptane (CAS 142-82-5)	Ceiling	800 ppm
		1800 mg/m3
	TWA	440 ppm
Propane (CAS 74-98-6)	TWA	350 mg/m3
		85 ppm
	TWA	1800 mg/m3
Stoddard solvent (CAS 8052-41-3)	Ceiling	1000 ppm
		1800 mg/m3
	TWA	350 mg/m3
Toluene (CAS 108-88-3)	STEL	560 mg/m3
		150 ppm
	TWA	375 mg/m3
		100 ppm

**Biological limit values**
**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection**

Chemical goggles are recommended.

**Skin protection**
**Hand protection**

Rubber gloves. Confirm with a reputable supplier first.

**Other**

Wear appropriate chemical resistant clothing. As required by employer code.

**Respiratory protection**

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

**Thermal hazards**

Not applicable.

**General hygiene considerations**

When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and Chemical Properties**

Appearance	Clear
Physical state	Gas.
Form	Aerosol
Color	Colorless to Amber
Odor	Solvent
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	0.734 g/mL
Partition coefficient (n-octanol/water)	Not available.
Flash point	15.8 °F (-9.0 °C) (Concentrate)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

**Upper/lower flammability or explosive limits**

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	< 20.5 mm <sup>2</sup> /s @ 40°C
<b>Other information</b>	
Flame extension	> 45 cm
Flammability (flash back)	Yes
Heat of combustion	46.6 kJ/g
VOC (Weight %)	88.8 % w/w (US Federal, CARB/OTC/LADCO)

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**10. Stability and Reactivity**

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Reactivity	This product may react with oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents. Amines. Soft metals.
Hazardous decomposition products	May include and are not limited to: Oxides of nitrogen. Oxides of carbon.

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**11. Toxicological Information**

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**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Information on likely routes of exposure**

Ingestion	May be fatal if swallowed and enters airways.
Inhalation	May be fatal if swallowed and enters airways. Prolonged inhalation may be harmful. May cause damage to organs by inhalation. Narcotic effects.
Skin contact	Causes skin irritation.
Eye contact	Causes eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**Information on toxicological effects**

**Acute toxicity** May be fatal if swallowed and enters airways. Narcotic effects.

Components	Species	Test Results
Butane (CAS 106-97-8)		
Acute Inhalation LC50	Mouse	680 mg/l, 2 Hours
	Rat	276000 ppm, 4 Hours
		658 mg/l/4h
Oral LD50	Not available	

Components	Species	Test Results
Heptane (CAS 142-82-5)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	103 mg/l, 4 Hours
LD50	Mouse	75 mg/l, 2 Hours
<i>Oral</i>		
LD50	Rat	15000 mg/kg
Heptane, Branched, Cyclic And Linear (CAS 426260-76-6)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	3160 mg/kg
<i>Inhalation</i>		
LC50	Rat	20 ppm 20 mg/l/4h
<i>Oral</i>		
LD50	Rat	5000 mg/kg
Propane (CAS 74-98-6)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	> 1442.8 mg/l, 15 Minutes
<i>Oral</i>		
LD50	Not available	
Stoddard solvent (CAS 8052-41-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 3000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5500 mg/m3
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Toluene (CAS 108-88-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	12196 mg/kg 12125 mg/kg 8390 mg/kg 14.1 ml/kg
<i>Inhalation</i>		
LC50	Mouse	7100 mg/l, 4 Hours 5320 ppm, 8 Hours 400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours <= 28800 mg/m³, 4 Hours 12200 ppm, 2 Hours 8000 ppm, 4 Hours 12.5 mg/l/4h

Components	Species	Test Results
Oral LD50	Rat	> 5580 mg/kg 636 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
<b>Serious eye damage/eye irritation</b>	Causes eye irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
<b>Respiratory or skin sensitization</b>		
Respiratory sensitization	Not available.	
Skin sensitization	Prolonged or repeated exposure can cause drying, defatting and dermatitis.	
<b>Germ cell mutagenicity</b>	May cause genetic defects.	
<b>Mutagenicity</b>	May cause genetic defects.	
<b>Carcinogenicity</b>	Contains < 3% (w/w) DMSO-extract	
<b>ACGIH Carcinogens</b>		
Toluene (CAS 108-88-3)		A4 Not classifiable as a human carcinogen.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Stoddard solvent (CAS 8052-41-3)		Volume 47 - 3 Not classifiable as to carcinogenicity to humans.
Toluene (CAS 108-88-3)		Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
<b>US - California Proposition 65 - CRT: Listed date/Carcinogenic substance</b>		
Benzene (CAS 71-43-2)		Carcinogenic.
Benzene, ethyl- (CAS 100-41-4)		Carcinogenic.
Naphthalene (CAS 91-20-3)		Carcinogenic.
<b>Reproductive toxicity</b>	Suspected of damaging the unborn child.	
<b>Teratogenicity</b>	Toluene (benzene, methyl-) has caused fetotoxicity (reduced fetal weight), behavioural effects (effects on learning and memory) and hearing loss (in males). These effects have been observed in the offspring of rats exposed by inhalation to 1200 or 1800 ppm toluene. These effects were observed in the absence of maternal toxicity.	
<b>Specific target organ toxicity - single exposure</b>	Narcotic effects.	
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.	
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure.	
<b>Further information</b>	Not available.	
<b>Name of Toxicologically Synergistic Products</b>	Not available.	

## 12. Ecological Information

<b>Ecotoxicity</b>	See below		
<b>Components</b>		<b>Species</b>	<b>Test Results</b>
Heptane (CAS 142-82-5)			
<b>Aquatic</b>			
Fish	LC50	Mozambique tilapia (Tilapia mossambica)	375 mg/l, 96 hours
Toluene (CAS 108-88-3)			
Algae	IC50	Algae	433 mg/L, 72 Hours

Components		Species	Test Results
Crustacea	EC50	Daphnia	7.645 mg/L, 48 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours
Fish	LC50	Coho salmon, silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.		
<b>Bioaccumulative potential</b>	No data available.		
<b>Mobility in soil</b>	No data available.		
<b>Mobility in general</b>	Not available.		
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

### 13. Disposal Considerations

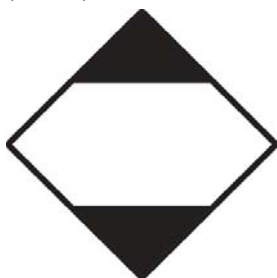
<b>Disposal instructions</b>	Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>US RCRA Hazardous Waste U List: Reference</b>	
Toluene (CAS 108-88-3)	U220
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

### 14. Transport Information

<b>General</b>	Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.
<b>U.S. Department of Transportation (DOT)</b>	
<b>Basic shipping requirements:</b>	
UN number	UN1950
Proper shipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
Hazard class	Limited Quantity - US
Special provisions	N82
Packaging exceptions	306
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	
<b>Basic shipping requirements:</b>	
UN number	UN1950
Proper shipping name	AEROSOLS, flammable
Hazard class	Limited Quantity - Canada
Special provisions	80, 107
<b>IATA/ICAO (Air)</b>	
<b>Basic shipping requirements:</b>	
UN number	UN1950
Proper shipping name	Aerosols, flammable
Hazard class	Limited Quantity - IATA
<b>IMDG (Marine Transport)</b>	
<b>Basic shipping requirements:</b>	
UN number	UN1950
Proper shipping name	AEROSOLS
Hazard class	Limited Quantity - IMDG



DOT; IMDG; TDG



IATA



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## 15. Regulatory Information

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**Canada DSL Challenge Substances: Listed substance**

Butane (CAS 106-97-8) Listed.

**Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number**

Butane (CAS 106-97-8)	1 TONNES
Heptane (CAS 142-82-5)	1 TONNES
Propane (CAS 74-98-6)	1 TONNES
Stoddard solvent (CAS 8052-41-3)	1 TONNES
Toluene (CAS 108-88-3)	1 TONNES

**Canada WHMIS Ingredient Disclosure: Threshold limits**

Butane (CAS 106-97-8)	1 %
Heptane (CAS 142-82-5)	1 %
Stoddard solvent (CAS 8052-41-3)	1 %
Toluene (CAS 108-88-3)	1 %

**WHMIS status** Controlled

**WHMIS classification** Class A - Compressed Gas, Class B - Division 5 - Flammable Aerosol, Class D - Division 2A, 2B

**WHMIS labeling**



**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

Toluene (CAS 108-88-3) 1.0 %

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

Toluene (CAS 108-88-3) Listed.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US CWA Section 311 Hazardous Substances: Listed substance**

Toluene (CAS 108-88-3) Listed.

**US CWA Section 307(a)(1) Toxic Pollutants: Listed substance**

Toluene (CAS 108-88-3) Listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US CAA Section 111 Volatile Organic Compounds: Listed substance**

Toluene (CAS 108-88-3)	Listed.
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**US CAA Section 112(r) Accidental Release Prevention - Regulated Flammable Substance: Listed substance**

Butane (CAS 106-97-8)	Regulated flammable substance.
Propane (CAS 74-98-6)	Regulated flammable substance.

**US CAA Section 112(r) Accidental Release Prevention: Threshold quantity**

Butane (CAS 106-97-8)	10000 LBS
Propane (CAS 74-98-6)	10000 LBS

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Butane (CAS 106-97-8)	Listed.
Propane (CAS 74-98-6)	Listed.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Toluene (CAS 108-88-3)	Listed.
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**US CAA Section 612 SNAP Program: Listed substance**

Butane (CAS 106-97-8)	Listed.
Propane (CAS 74-98-6)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - Yes
	Pressure Hazard - Yes
	Reactivity Hazard - No

<b>SARA 302 Extremely hazardous substance</b>	No
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<b>SARA 311/312 Hazardous chemical</b>	No
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<b>SARA 313 (TRI reporting)</b>	Not regulated.
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**Other federal regulations**

<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.
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<b>Food and Drug Administration (FDA)</b>	Not regulated.
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<b>US state regulations</b>	WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
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**US - California Hazardous Substances (Director's): Listed substance**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Benzene (CAS 71-43-2)	Listed.
Benzene, ethyl- (CAS 100-41-4)	Listed.
Naphthalene (CAS 91-20-3)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US - Louisiana Spill Reporting: Listed substance**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US - Michigan Critical Materials Register: Parameter number**

Toluene (CAS 108-88-3)	00108-88-3 Listed.
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**US - Minnesota Haz Subs: Listed substance**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US - New Jersey RTK - Substances: Listed substance**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US - New York Release Reporting: Hazardous Substances: Listed substance**

Toluene (CAS 108-88-3)	Listed.
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**US - North Carolina Toxic Air Pollutants: Listed substance**

Toluene (CAS 108-88-3)	Listed.
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**US - Texas Effects Screening Levels: Listed substance**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	Listed.
Propane (CAS 74-98-6)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US - Washington Chemical of High Concern to Children: Listed substance**

Toluene (CAS 108-88-3)	Listed.
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**US. Massachusetts RTK - Substance List**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US. Pennsylvania RTK - Hazardous Substances**

Butane (CAS 106-97-8)	Listed.
Heptane (CAS 142-82-5)	Listed.
Propane (CAS 74-98-6)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Toluene (CAS 108-88-3)	Listed.

**US. Rhode Island RTK**

Butane (CAS 106-97-8)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

**Inventory status**

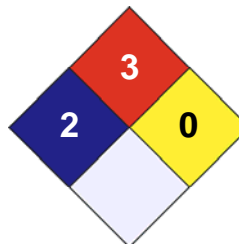
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

<b>Issue date</b>	26-March-2015
<b>Effective date</b>	26-March-2015
<b>Expiry date</b>	26-March-2018

**Further information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

**Prepared by**

Nu-Calgon Technical Service Phone: (314) 469-7000

**Other information**

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<u>Company Name</u> Nu-Calgon Wholesaler, Inc.	<u>Phone Number</u> (314) 469-7000 / (800) 554-5499		<u>CHEMTREC</u> (800) 424-9300	
<u>Street Address</u> 2008 Altom Court	<u>City</u> St. Louis	<u>State</u> MO	<u>Postal Code</u> 63146-4151	<u>Last Update</u> 11/13/2006
<u>Product Name</u> Aerosol V-Belt Dressing	<u>Product Number</u> 4086-03	<u>Product Use</u> Belt dressing		<u>EPA Registration #</u> N/A

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<b>Hazardous Ingredients</b>	<b>% By Wt.</b>	<b>CAS Number</b>	<b>TLV</b>	<b>PEL</b>
Heptane	40 - 50	142-82-5	400 ppm	500 ppm
Propane	10 - 15	74-98-6	1000 ppm	1000 ppm
Isobutane	10 - 15	75-28-5	800 ppm	800 ppm
Stoddard solvent	10 - 15	8052-41-3	100 ppm	100 ppm
Polybutene	10 - 15	9003-29-6	N/E	N/E

## SECTION 3 – HAZARD IDENTIFICATION

**Emergency Overview:** DANGER: Extremely flammable. May be harmful or fatal if swallowed. Ensure adequate ventilation. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C). Keep away from open flames, hot surfaces and sources of ignition.  
KEEP OUT OF REACH OF CHILDREN

### Potential Health Effects

**Eyes:** Mild eye irritation

**Skin:** May cause skin irritation and/or dermatitis.

**Ingestion:** Aspiration may cause pulmonary oedema and pneumonitis. May be harmful or fatal if swallowed.

**Inhalation:** Inhalation of high vapour concentrations may cause nasal & respiratory irritation and symptoms like headache, dizziness, tiredness, nausea, vomiting and possible unconsciousness.

**Chronic Exposure:** Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

**Carcinogenicity:** None known

**Medical Conditions Aggravated by Exposure:** May aggravate existing eye, skin, or upper respiratory conditions

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist

**Skin:** Wash off with soap and water. If skin irritation persists, call a physician

**Ingestion:** DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water. Call a physician or Poison Control Centre immediately

**Inhalation:** Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth. Obtain medical attention

## SECTION 5 – FIREFIGHTING MEASURES

**Flash Point:** No Data. °F

**Autoignition Temp:** No Data. °C/No Data. °F

**Hazardous Products of Combustion:** Carbon oxides

**Flammable Limits in Air:** No Data.

**Extinguishing Media:** Carbon dioxide (CO2). Foamy spray. Dry chemical.

**Fire and Explosion Hazards:** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C)

**Special Firefighting Procedures:** Water mist may be used to cool closed containers.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container . Dispose of in accordance with local regulations.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.

**Storage Requirements:** KEEP OUT OF REACH OF CHILDREN. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C).

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Eye Protection:** Safety glasses with side-shields

**Protective Clothing:** Neoprene gloves

**Exposure Guidelines:** See section 2

**Specific Engineering Controls (such as ventilation, enclosed process):** Ensure adequate ventilation, especially in confined areas

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b><u>Physical Form:</u></b> Aerosol	<b><u>Freezing Point:</u></b> No Data. °C/No Data. °F	<b><u>% Volatile by Weight:</u></b> 88.8; per US EPA Definition%
<b><u>Color:</u></b> Yellow	<b><u>Vapor Density [air =1]:</u></b> No Data.	<b><u>Evaporation Rate:</u></b> No Data.
<b><u>Odor:</u></b> Solvent	<b><u>Vapor Pressure:</u></b> PSIG @ 70°F (Aerosols): Max. 50.	<b><u>Specific Gravity:</u></b> 0.74 (Concentrate only)
<b><u>Boiling Point:</u></b> No Data. °C/No Data. °F	<b><u>Solubility in Water:</u></b> Insoluble.	<b><u>pH (concentrate):</u></b> No Data.

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Hazardous Polymerization:** Hazardous polymerization does not occur

**Incompatibilities:** Strong oxidizing agents, alkalis, Amines, Potassium, Sodium and Magnesium

**Reactive Conditions to avoid:** Heat, flames and sparks. Extremes of temperature

**Decomposition Products:** Carbon oxides

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b><u>Hazardous Ingredients</u></b>	<b><u>CAS #</u></b>	<b><u>EINECS #</u></b>	<b><u>LD 50 of Ingredient</u></b> (Specify Species)	<b><u>LC50 of Ingredient</u></b> (Specify Species)
Heptane	142-82-5	No Data.	No Data.	Inhalation LC50 Rat: 103 g/m3/4H
Propane	74-98-6	No Data.	No Data.	No Data.
Isobutane	75-28-5	No Data.	No Data.	Inhalation LC50 Rat: 57 pph/15M
Stoddard solvent	8052-41-3	No Data.	No Data.	No Data.
Polybutene	9003-29-6	No Data.	No Data.	No Data.

## SECTION 12 – ECOLOGICAL INFORMATION

<u>Hazardous Ingredients</u>	<u>Aquatic Toxicity Data</u>
Heptane	24 Hr LC50 goldfish: 4.0 mg/L; 24 Hr LC50 mosquito fish: 4900 mg/L; 96 Hr LC50 cichlid fish: 375.0 mg/L
Propane	No Data.
Isobutane	No Data.
Stoddard solvent	No Data.
Polybutene	No Data.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** Should not be released into the environment. Dispose of in accordance with local regulations.

## SECTION 14 – TRANSPORTATION INFORMATION

**Special Shipping Information:** No Data.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
<b>DOT</b> (Land)	Consumer Commodity ORM-D	No Data.	No Data.	No Data.
<b>IMO</b> (Water)	No Data.	No Data.	No Data.	No Data.
<b>ICAO</b> (Air)	Aerosol, Flammable	UN1950	No Data.	2.1

## SECTION 15 – REGULATORY INFORMATION

<b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)	A, B1, B2, D2B
<b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)	No
<b>OSHA:</b> (Occupational Safety & Health Administration)	See Section 2
<b>TSCA:</b> (Toxic Substance Control Act)	Present
<b>VOC:</b> (volatile Organic Compounds)	88.8%
<b>CPR:</b> (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
<b>EINECS:</b> (European Inventory of Existing Commercial Chemical Substances)	No Data.
<b>DSL / NDSL:</b> (Canadian Domestic Substance List)(Non-Domestic Substance List)	Present
<b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)	No Data.
<b>IDL:</b> (Canadian Ingredient Disclosure List)	No Data.
<b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)	Health=2; Fire=3; Reactivity=0 Personal protective equipment = B

## SECTION 16 – OTHER INFORMATION

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.