

## SAFETY DATA SHEET

### 1. Product and Company Identification

**Product identifier** 

Pan-Spray (White) (4296-50)

Other means of identification

Not available

Nu-calgon Cal Spray Pan Spray white

Recommended use

Coating

Recommended restrictions Manufacturer

None known. 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

Physical hazards

Flammable aerosols

Category 1

Health hazards

Gases under pressure

Liquefied gas

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2 Category 2

Carcinogenicity

Reproductive toxicity (the unborn child)

Category 2

Category 1

Specific target organ toxicity, single exposure

Category 3 narcotic effects

Specific target organ toxicity, repeated

exposure

**Environmental hazards OSHA** defined hazards Not classified. Not classified.

Label elements



Signal word

Hazard statement

Danger

Suspected of causing cancer.

Suspected of damaging the unborn child.

Causes skin irritation.

Causes serious eye irritation. Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

May cause drowsiness or dizziness.

Causes damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood.

Wash thoroughly after handling.

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. Do not breathe gas. Do not eat, drink or smoke when using this product. Use only outdoors or in a

well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

Response

If exposed or concerned: Get medical advice/attention.

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.

Storage

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Store in a well-ventilated place. Keep container tightly closed.

## Disposal

Hazard(s) not otherwise classified (HNOC)

Supplemental information

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

None known.

Not applicable.

<del></del>	3. Composition/Information on Ing	- Caronia	
Mixture			
Chemical name	Common name and synonyms	CAS number	<u></u> %
Heptane		142-82-5	10 - 30
Methane, oxybis-		115-10-6	10 - 30
Toluene		108-88-3	10 - 30
Acetone		67-64-1	5 - 10
Isobutane		75-28-5	5 - 10
Propane		74-98-6	5 - 10
Titanium oxide		13463-67-7	5 - 10
2-Propanol, 1-methoxy-, acetate	)	108-65-6	1 - 5
Aluminum hydroxide		21645-51-2	1 - 5
Distillates, petroleum, steam-cracked, polymers with li steam-cracked petroleum napht		68410-16-2	1 - 5
Quaternary ammonium compou	nds,	68953-58-2	1 - 5
bis(hydrogenated tallow alkyl) dimethyl, salts with bentonite			
Stoddard solvent		8052-41-3	1 - 5
2-Pentanone, 4-methyl-		108-10-1	0.1 - 1
composition comments	US GHS: The exact percentage (concentration) secret in accordance with paragraph (i) of §1910		vithheld as a trade
	4. First Aid Measures		
nhalation	If inhaled: If breathing is difficult, remove person Call a poison center/doctor if you feel unwell.	to fresh air and keep com	fortable for breathin
Skin contact	If on skin: Wash with plenty of water. If skin irrita treatment (see product label). Take off contamin	tion occurs: Get medical a ated clothing and wash it	advice/attention. Spe before reuse.
ye contact	If in eyes: Rinse cautiously with water for severa easy to do. Continue rinsing. If eye irritation pers	ists: Get medical advice/a	ttention.
ngestion	In the unlikely event of swallowing contact a phy not induce vomiting. Never give anything by mou Obtain medical attention.	sician or poison control ce oth if victim is unconscious	inter. Rinse mouth. I s, or is convulsing.
flost important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, rednes cause drowsiness or dizziness. May cause redne chronic effects.	s, swelling, and blurred visess and pain. Prolonged e	sion. Skin irritation. I xposure may cause
ndication of immediate nedical attention and special reatment needed	Provide general supportive measures and treat s Symptoms may be delayed.	symptomatically. Keep vic	tim under observatio
Seneral information	Ensure that medical personnel are aware of the protect themselves. IF exposed or concerned: G sheet to the doctor in attendance. Do not punctu temperatures above 49°C. Keep away from sour	et medical advice/attentio re or incinerate container.	n. Show this safety on the safety of the safety of the store at
	5. Fire Fighting Measures		
	E D 1 0 1 1 (000) 0 1	on dioxide. Dry chemical.	Foam.
uitable extinguishing media	Foam, Dry powder, Carbon dioxide (CO2), Carbo		
Insuitable extinguishing	Foam. Dry powder. Carbon dioxide (CO2). Carbon Water. Do not use water jet as an extinguisher, a	as this will spread the fire.	
Suitable extinguishing media Unsuitable extinguishing nedia Specific hazards arising from the chemical		may explode when expos	

Fire-fighting equipment/instructions

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.

Specific methods

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.

General fire hazards

Hazardous combustion

Extremely flammable aerosol.

products

May include and are not limited to: Oxides of carbon.

**Explosion data** 

Sensitivity to mechanical impact

Not available.

Sensitivity to static discharge

Not available.

#### 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

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.

Methods and materials for containment and cleaning up

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. 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. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

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

#### Precautions for safe handling

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. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact during pregnancy/while nursing. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Use good industrial hygiene practices in handling this material.

Conditions for safe storage, including any incompatibilities Level 1 Aerosol.

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. Do not handle or store near an open flame, heat or other sources of ignition. 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

Components	Туре	Value	Form
2-Pentanone, 4-methyl- (CAS 108-10-1)	PEL	410 mg/m3	
		100 ppm	
Acetone (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
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	PEL	2900 mg/m3	
8052-41-3)			

US. OSHA Table Z-1 Limits for Air Contar Components	Type	Value	Form
		500 ppm	
Titanium oxide (CAS 13463-67-7)	PEL .	15 mg/m3	Total dust
US. OSHA Table Z-2 (29 CFR 1910.1000) Components	Туре	Value	
Toluene (CAS 108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	
US. ACGIH Threshold Limit Values Components	Туре	Value	Form
2-Pentanone, 4-methyl-	STEL	75 ppm	
CAS 108-10-1)			
	TWA	20 ppm	
Acetone (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
Aluminum hydroxide (CAS 21645-51-2)	TWA	1 mg/m3	Respirable fraction.
Heptane (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
sobutane (CAS 75-28-5)	STEL	1000 ppm	
Stoddard solvent (CAS 3052-41-3)	TWA	100 ppm	
Fitanium oxide (CAS 13463-67-7)	TWA	10 mg/m3	
Γoluene (CAS 108-88-3)	TWA	20 ppm	
JS. NIOSH: Pocket Guide to Chemical Ha Components	zards Type	Value	
2-Pentanone, 4-methyl-	STEL	300 mg/m3	
CAS 108-10-1)		75	
		75 ppm	
	TWA	205 mg/m3 50 ppm	
Acetone (CAS 67-64-1)	TWA	590 mg/m3	
Acetorie (CAS 67-64-1)	IVVA	250 ppm	
Heptane (CAS 142-82-5)	Ceiling	1800 mg/m3	
Topiano (0/10 142 02 0)	Coming	440 ppm	
	TWA	350 mg/m3 85 ppm	
sobutane (CAS 75-28-5)	TWA	1900 mg/m3	
		800 ppm	
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm	
Stoddard solvent (CAS 3052-41-3)	Ceiling	1800 mg/m3	
······································	TWA	350 mg/m3	
Foluene (CAS 108-88-3)	STEL	560 mg/m3	
(0.00 to 100 00 0)		150 ppm	
	TWA	375 mg/m3	
		100 ppm	
JS. AIHA Workplace Environmental Expo			
Components	Туре	Value	
2-Propanol, 1-methoxy-,	TWA	50 ppm	

Components	Туре	-	Value	
Methane, oxybis- (CAS	TWA		1880 mg/m3	
115-10-6)			1000 nnm	

#### **Biological limit values**

ACGIH Biological Exposic	Value	Determinant	Specimen	Sampling Time	<u> </u>	
2-Pentanone, 4-methyl- (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*		
Acetone (CAS 67-64-1)	50 mg/l	Acetone	Urine	*		
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	+ <b>₩</b> 		
	0.03 mg/l	Toluene	Urine	*		
	0.02 mg/l	Toluene	Blood	*		

<sup>\* -</sup> For sampling details, please see the source document.

Exposure guidelines	Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH.
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 Skin protection

Wear safety glasses with side shields (or goggles).

Hand protection

Rubber gloves. Confirm with a reputable supplier first.

Other Respiratory protection Wear appropriate chemical resistant clothing. As required by employer code. Wear positive pressure self-contained breathing apparatus (SCBA). 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. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties	9. Phy	vsical	and	Chemic	al I	Pro	perties
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Appearance	Spray	
Physical state	Gas.	
Form	Aerosol	
Color	White.	
Odor	Solvent	
Odor threshold	Not available.	
рН	Not available.	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not available.	
Pour point	Not available.	
Specific gravity	0.88 - 0.92	
Partition coefficient (n-octanol/water)	Not available.	
Flash point	Not available.	
Evaporation rate	Not available.	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or exp	losive limits	
Flammability limit - lower (%)	Not available.	
Flammability limit - upper (%)	Not available.	
Explosive limit - lower (%)	Not available.	

Explosive limit - upper (%)

Not available.

Vapor pressure

55 - 65 psig

Vapor density

Not available.

Relative density Solubility(ies)

Not available.

**Auto-ignition temperature** 

Not available.

**Decomposition temperature** 

Not available.

Viscosity

Not available. 350 - 500 cP

Other information

Flame extension

> 100 cm

Flammability (flash back)

No

#### 10. Stability and Reactivity

Reactivity

This product may react with strong oxidizing agents.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Do not mix with other chemicals. Aerosol containers are unstable at temperatures above 49°C

(120.2°F).

Incompatible materials

Oxidizers.

Hazardous decomposition

products

May include and are not limited to: Oxides of carbon.

#### 11. Toxicological Information

Routes of exposure

Inhalation. Ingestion. Skin contact. Eye contact.

Information on likely routes of exposure

Ingestion

Expected to be a low ingestion hazard.

Inhalation

Prolonged inhalation may be harmful. May cause damage to organs by inhalation. Narcotic

effects.

Skin contact

Causes skin irritation.

Eye contact

Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Symptoms of overexposure may be headache, dizziness, tiredness,

nausea and vomiting.

Information on toxicological effects

**Acute toxicity** 

Narcotic effects.

Components **Species** 2-Pentanone, 4-methyl- (CAS 108-10-1)

Acute

Dermal

LD50

Rabbit

16000 mg/kg

**Test Results** 

Inhalation

LC50

Rat

Rat

8.2 mg/l, 4 Hours

Oral

LD50

Mouse

1200 mg/kg

2080 mg/kg

2-Propanol, 1-methoxy-, acetate (CAS 108-65-6)

Acute

Dermal

LD50

Rabbit

> 5000 mg/kg

Inhalation

LC50

Rat

> 5320 ppm, 4 hours

Oral

LD50

Rat

8532 mg/kg

	nts	Species		Test Results	
	CAS 67-64-1)				
	cute				
	Permal	Dobbit		15800 mg/kg	
L	D50	Rabbit		7 7 7	
				20 ml/kg	
	nhalation	Mana		44000 ma/m2/4U	
L	C50	Mouse		44000 mg/m3/4H	
		Rat		76 mg/l, 4 Hours	
				50.1 mg/l, 8 Hours	
				39 mg/l/4h	
	)ral				
Li	D50	Human		2857 mg/kg	
		Mouse		3000 mg/kg	
		Rabbit		5340 mg/kg	
		Rat		5800 mg/kg	
Aluminum	hydroxide (CAS 21645-51-	2)			
	cute				
	ermal				
LI	D50				
In	nhalation				
	C50	Not available	**		
. 0	)ral				
LI	D50				
		Rat		5000 mg/kg	
	ot available.				
LI	D50				
LI N	<b>D50</b> ot available.				
LI N Heptane (C	<b>D50</b> ot available. CAS 142-82-5)				
LI N Heptane (C <b>A</b>	D50 ot available. CAS 142-82-5) cute				
LI N Heptane (C <b>A</b>	<b>D50</b> ot available. CAS 142-82-5)	Rat		103 mg/l, 4 Hours	
LI N Heptane (C A In	D50 ot available. CAS 142-82-5) cute shalation C50				
LI N Heptane (C <b>A</b> In L(	D50 ot available. CAS 142-82-5) cute shalation C50	Rat Mouse		103 mg/l, 4 Hours 75 mg/l, 2 Hours	
LI N Heptane (C <b>A</b> In LC LI	D50 ot available. CAS 142-82-5) cute shalation C50 D50	Mouse			
LI N Heptane (C A In LC LI O LI	D50 ot available. CAS 142-82-5) cute shalation C50 D50 eral			75 mg/l, 2 Hours	
LI N Heptane (C A In L( C LI Isobutane (	D50 ot available. CAS 142-82-5) cute shalation C50 D50 oral D50 (CAS 75-28-5)	Mouse		75 mg/l, 2 Hours	
LI N Heptane (C A In LI O LI Isobutane (	D50 ot available. CAS 142-82-5) cute shalation C50 D50 eral	Mouse		75 mg/l, 2 Hours	
LI N Heptane (C A In LI O LI Isobutane (	D50 ot available. CAS 142-82-5) cute shalation C50 D50 oral D50 (CAS 75-28-5) cute	Mouse		75 mg/l, 2 Hours	
LI N Heptane (C A In LI O LI Isobutane ( A LI	ot available. CAS 142-82-5) cute shalation C50 D50 oral D50 (CAS 75-28-5) cute ermal	Mouse Rat		75 mg/l, 2 Hours	
LI N Heptane (C A In LI O LI Isobutane ( A D In	ot available. CAS 142-82-5) cute chalation C50 D50 cral D50 (CAS 75-28-5) cute cermal	Mouse Rat		75 mg/l, 2 Hours	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC	D50 ot available. CAS 142-82-5) cute shalation C50 D50 eral D50 (CAS 75-28-5) cute ermal D50 shalation	Mouse Rat Not available		75 mg/l, 2 Hours 15000 mg/kg	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC	D50 ot available. CAS 142-82-5) cute shalation C50 D50 oral D50 (CAS 75-28-5) cute ermal D50 shalation	Mouse Rat Not available		75 mg/l, 2 Hours 15000 mg/kg	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC O LI	D50 ot available. CAS 142-82-5) cute shalation C50 D50 oral D50 (CAS 75-28-5) cute ermal D50 shalation C50	Mouse Rat Not available Rat		75 mg/l, 2 Hours 15000 mg/kg	
LI N Heptane (C A In LI Sobutane ( A D LI In LC O LI Wethane, o	D50 ot available. CAS 142-82-5) cute shalation C50 D50 oral D50 (CAS 75-28-5) cute ermal D50 shalation C50 oral	Mouse Rat Not available Rat		75 mg/l, 2 Hours 15000 mg/kg	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC O LI Wethane, o	ot available. CAS 142-82-5) cute chalation C50 D50 cral D50 (CAS 75-28-5) cute cermal D50 chalation C50 chalation C50 chalation C50 cral D50 cral D50 chalation C50 cral D50 cxybis- (CAS 115-10-6) cute chalation	Mouse Rat Not available Rat Not available		75 mg/l, 2 Hours 15000 mg/kg 658 mg/l/4h	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC O LI Wethane, o	ot available. CAS 142-82-5) cute shalation C50 D50 oral D50 (CAS 75-28-5) cute ermal D50 shalation C50 oral D50 shalation C50 oral D50 cyphological	Mouse Rat Not available Rat		75 mg/l, 2 Hours 15000 mg/kg 658 mg/l/4h 494 ppm, 15 Minutes	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC O LI Methane, o	ot available. CAS 142-82-5) cute chalation C50 D50 cral D50 (CAS 75-28-5) cute cermal D50 chalation C50 chalation C50 chalation C50 cral D50 cral D50 chalation C50 cral D50 cxybis- (CAS 115-10-6) cute chalation	Mouse Rat Not available Rat Not available		75 mg/l, 2 Hours 15000 mg/kg 658 mg/l/4h	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC O LI Methane, o	ot available. CAS 142-82-5) cute chalation C50 D50 cral D50 (CAS 75-28-5) cute cermal D50 chalation C50 chalation C50 chalation C50 cral D50 cral D50 chalation C50 cral D50 cxybis- (CAS 115-10-6) cute chalation	Mouse Rat Not available Rat Not available		75 mg/l, 2 Hours 15000 mg/kg 658 mg/l/4h 494 ppm, 15 Minutes	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC O LI Methane, o	ot available. CAS 142-82-5) cute chalation C50 D50 cral D50 (CAS 75-28-5) cute cermal D50 chalation C50 chalation C50 chalation C50 cral D50 cral D50 chalation C50 cral D50 cxybis- (CAS 115-10-6) cute chalation	Mouse Rat Not available Rat Not available Mouse		75 mg/l, 2 Hours 15000 mg/kg 658 mg/l/4h 494 ppm, 15 Minutes 386 ppm, 30 Minutes	
LI N Heptane (C A In LI O LI Isobutane ( A D LI In LC O LI Methane, o	ot available. CAS 142-82-5) cute chalation C50 D50 cral D50 (CAS 75-28-5) cute cermal D50 chalation C50 chalation C50 cral D50 chalation C50 cral D50 cyplis- (CAS 115-10-6) cute chalation C50	Mouse Rat Not available Rat Not available Mouse		75 mg/l, 2 Hours 15000 mg/kg 658 mg/l/4h 494 ppm, 15 Minutes 386 ppm, 30 Minutes	

Components	Species	Test Results
Propane (CAS 74-98-6)		
Acute Inhalation		
LC50	Rat	> 1442.8 mg/l, 15 Minutes
Oral		
LD50	Not available	
Quaternary ammonium compounds,  Acute	bis(hydrogenated tallow alkyl) dimethyl, salts with	bentonite (CAS 68953-58-2)
Inhalation		
LC50	Rat	12.6 mg/l/4h
Oral LD50	<b>Pot</b>	5000 mg/kg
LD50	Rat	5000 Hig/kg
Stoddard solvent (CAS 8052-41-3)  Acute		
Dermal		
LD50	Rabbit	> 3000 mg/kg
Inhalation LC50	Rat	> 5500 mg/m3
Oral		agga mg.ma
LD50	Rat	> 5000 mg/kg
Titanium oxide (CAS 13463-67-7)		
Acute Dermal		
LD50	Not available	
Inhalation		
LC50	Not available	
<i>Oral</i> LD50	Rat	24000 mg/kg
Toluene (CAS 108-88-3)		
Acute		
Dermal LD50	Dakkii	12196 mg/kg
LD50	Rabbit	12195 mg/kg 12125 mg/kg
		8390 mg/kg
		14.1 ml/kg
Inhalation		
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
Oral		
LD50	Rat	> 5580 mg/kg
		636 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
	Not available.	
	Not available. Not available.	
Oedema value	itul avallabis.	

Serious eye damage/eye

irritation

Causes serious eye irritation.

Corneal opacity value

Not available.

Iris lesion value

Not available. Not available.

Conjunctival reddening

value

Conjunctival oedema value Recover days

Not available. Not available.

Respiratory or skin sensitization

Respiratory sensitization

Not available.

Skin sensitization

This product is not expected to cause skin sensitization.

Germ cell mutagenicity

Non-hazardous by WHMIS/OSHA criteria.

Mutagenicity

Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity

Suspected of causing cancer.

ACGIH Carcinogens

2-Pentanone, 4-methyl- (CAS 108-10-1)

A3 Confirmed animal carcinogen with unknown relevance to

humans.

Acetone (CAS 67-64-1) Aluminum hydroxide (CAS 21645-51-2) Titanium oxide (CAS 13463-67-7)

A4 Not classifiable as a human carcinogen. A4 Not classifiable as a human carcinogen. A4 Not classifiable as a human carcinogen.

Toluene (CAS 108-88-3)

Toluene (CAS 108-88-3)

A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

2-Pentanone, 4-methyl- (CAS 108-10-1) Stoddard solvent (CAS 8052-41-3) Titanium oxide (CAS 13463-67-7)

Volume 101 - 2B Possibly carcinogenic to humans. Volume 47 - 3 Not classifiable as to carcinogenicity to humans. Volume 47, Volume 93 - 2B Possibly carcinogenic to humans.

Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to

humans.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

2-Pentanone, 4-methyl- (CAS 108-10-1)

Carcinogenic. Carcinogenic.

Benzene (CAS 71-43-2) Crystalline silica (CAS 14808-60-7) Titanium oxide (CAS 13463-67-7)

Carcinogenic. Carcinogenic.

Reproductive toxicity

Suspected of damaging the unborn child.

Teratogenicity

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.

Specific target organ toxicity -

single exposure

Narcotic effects.

Specific target organ toxicity -

repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not likely, due to the form of the product.

Chronic effects

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Causes

damage to organs through prolonged or repeated exposure.

**Further information** 

Name of Toxicologically

Not available.

See below

**Synergistic Products** 

Not available.

# 12. Ecological Information

**Ecotoxicity** 

Components

Species

**Test Results** 

2-Pentanone, 4-methyl- (CAS 108-10-1)

Crustacea

EC50

Daphnia

170 mg/L, 48 Hours

Aquatic

Fish

LC50

Fathead minnow (Pimephales promelas) 492 - 593 mg/l, 96 hours

2-Propanol, 1-methoxy-, acetate (CAS 108-65-6)

Crustacea

EC50

Daphnia

500 mg/L, 48 Hours

Acetone (CAS 67-64-1)

Crustacea

EC50

Daphnia

13999 mg/L, 48 Hours

#21413

Page: 9 of 15

Issue date 27-February-2015

4296-50

Bioaccumulative potential No date Mobility in soil No date Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied Dispose Local disposal regulations Dispose Hazardous waste code The war disposal US RCRA Hazardous Waste U List: F	Water flea (Daphnia magna) Rainbow trout,donaldson trout (Oncorhynchus mykiss)  Mozambique tilapia (Tilapia mossambica)  Water flea (Daphnia magna) Mummichog (Fundulus heteroclitus  Algae Daphnia  Water flea (Daphnia magna)	21.6 - 23.9 mg/l, 48 hours 4740 - 6330 mg/l, 96 hours 375 mg/l, 96 hours > 1000 mg/l, 48 hours > 1000 mg/l, 96 hours 433 mg/L, 72 Hours 7.645 mg/L, 48 Hours 5.46 - 9.83 mg/l, 48 hours
Heptane (CAS 142-82-5)     Aquatic     Fish LC50  Titanium oxide (CAS 13463-67-7)     Aquatic     Crustacea EC50     Fish LC50  Toluene (CAS 108-88-3)     Algae IC50     Crustacea EC50     Aquatic     Crustacea EC50     Aquatic     Crustacea EC50     Fish LC50  Persistence and degradability No data Mobility in soil No data Mobility in general Not avail Mobility in general Not avail Other adverse effects No other potential  Disposal instructions Content must be supplied Dispose Local disposal regulations Dispose Hazardous waste code  US RCRA Hazardous Waste U List: F	Rainbow trout, donaldson trout (Oncorhynchus mykiss)  Mozambique tilapia (Tilapia mossambica)  Water flea (Daphnia magna)  Mummichog (Fundulus heteroclitus  Algae  Daphnia  Water flea (Daphnia magna)	4740 - 6330 mg/l, 96 hours  375 mg/l, 96 hours  > 1000 mg/l, 48 hours  > 1000 mg/l, 96 hours  433 mg/L, 72 Hours  7.645 mg/L, 48 Hours
Heptane (CAS 142-82-5)     Aquatic     Fish LC50  Titanium oxide (CAS 13463-67-7)     Aquatic     Crustacea EC50     Fish LC50  Toluene (CAS 108-88-3)     Algae IC50     Crustacea EC50     Aquatic     Crustacea EC50     Aquatic     Crustacea EC50     Fish LC50  Persistence and degradability No data Mobility in soil No data Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Contential No data Mobility in general Not ava Other adverse effects No other potential No data Mobility in general Not ava Other adverse effects No other potential No data Mobility in general Not ava Other adverse effects No other potential No data Mobility in general Not ava Other adverse effects No other potential No data Mobility in general Not ava Other adverse effects No other potential No data Mobility in general Not ava Other adverse effects No other potential No other potential No data Mobility in general Not ava Other adverse effects No other potential No data Mobility in general Not ava Other adverse effects No other potential No data Mobility in general Not ava Other adverse effects No other potential No other potential No data Mobility in general No data Ava ava Other adverse effects No other potential No o	(Oncorhynchus mykiss)  Mozambique tilapia (Tilapia mossambica)  Water flea (Daphnia magna)  Mummichog (Fundulus heteroclitus Algae  Daphnia  Water flea (Daphnia magna)	375 mg/l, 96 hours  > 1000 mg/l, 48 hours  > 1000 mg/l, 96 hours  433 mg/L, 72 Hours  7.645 mg/L, 48 Hours
Aquatic Fish LC50  Titanium oxide (CAS 13463-67-7) Aquatic Crustacea EC50 Fish LC50  Toluene (CAS 108-88-3) Algae IC50 Crustacea EC50 Aquatic Crustacea EC50 Fish LC50  Persistence and degradability No date Mobility in soil No date Mobility in general Not avail Other adverse effects No other potential  Disposal instructions Content must be supplied Dispose Local disposal regulations Dispose Hazardous waste code  The wardisposal US RCRA Hazardous Waste U List: Ferrica LC50	mossambica)  Water flea (Daphnia magna)  Mummichog (Fundulus heteroclitus  Algae  Daphnia  Water flea (Daphnia magna)	> 1000 mg/l, 48 hours s) > 1000 mg/l, 96 hours 433 mg/L, 72 Hours 7.645 mg/L, 48 Hours
Titanium oxide (CAS 13463-67-7)  Aquatic Crustacea EC50 Fish LC50  Toluene (CAS 108-88-3) Algae IC50 Crustacea EC50 Aquatic Crustacea EC50 Fish LC50  Persistence and degradability No data Bioaccumulative potential No data Mobility in soil No data Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied Dispose Local disposal regulations Dispose Hazardous waste code The wardisposal US RCRA Hazardous Waste U List: Fermion 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mossambica)  Water flea (Daphnia magna)  Mummichog (Fundulus heteroclitus  Algae  Daphnia  Water flea (Daphnia magna)	> 1000 mg/l, 48 hours s) > 1000 mg/l, 96 hours 433 mg/L, 72 Hours 7.645 mg/L, 48 Hours
Aquatic Crustacea EC50 Fish LC50  Toluene (CAS 108-88-3) Algae IC50 Crustacea EC50 Aquatic Crustacea EC50 Fish LC50  Persistence and degradability No data Mobility in soil No data Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied by suppli	Mummichog (Fundulus heteroclitus Algae Daphnia Water flea (Daphnia magna)	s) > 1000 mg/l, 96 hours 433 mg/L, 72 Hours 7.645 mg/L, 48 Hours
Crustacea EC50 Fish LC50  Toluene (CAS 108-88-3) Algae IC50 Crustacea EC50 Aquatic Crustacea EC50 Fish LC50  Persistence and degradability No data Bioaccumulative potential No data Mobility in soil No data Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied by supp	Mummichog (Fundulus heteroclitus Algae Daphnia Water flea (Daphnia magna)	s) > 1000 mg/l, 96 hours 433 mg/L, 72 Hours 7.645 mg/L, 48 Hours
Fish LC50  Toluene (CAS 108-88-3)  Algae IC50  Crustacea EC50  Aquatic  Crustacea EC50  Fish LC50  Persistence and degradability No data Bioaccumulative potential No data Mobility in soil No data Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supposed bis posed by supposed bis posed by supposed bis posed by supposed bis posed bis pos	Mummichog (Fundulus heteroclitus Algae Daphnia Water flea (Daphnia magna)	s) > 1000 mg/l, 96 hours 433 mg/L, 72 Hours 7.645 mg/L, 48 Hours
Toluene (CAS 108-88-3) Algae IC50 Crustacea EC50 Aquatic Crustacea EC50 Fish LC50  Persistence and degradability No data Bioaccumulative potential No data Mobility in soil No data Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied Disposal possos Local disposal regulations Disposal Hazardous waste code The wardisposal US RCRA Hazardous Waste U List: F	Algae Daphnia Water flea (Daphnia magna)	433 mg/L, 72 Hours 7.645 mg/L, 48 Hours
Algae IC50 Crustacea EC50 Aquatic Crustacea EC50 Fish LC50  Persistence and degradability No date Bioaccumulative potential No date Mobility in soil No date Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied be supplied be supplied by suppl	Daphnia Water flea (Daphnia magna)	7.645 mg/L, 48 Hours
Crustacea EC50  Aquatic Crustacea EC50 Fish LC50  Persistence and degradability No date Bioaccumulative potential No date Mobility in soil No date Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied Dispose Local disposal regulations Dispose Hazardous waste code The wardisposal US RCRA Hazardous Waste U List: F	Daphnia Water flea (Daphnia magna)	
Aquatic Crustacea EC50 Fish LC50  Persistence and degradability No data Bioaccumulative potential No data Mobility in soil No data Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied Disposal pisposal Local disposal regulations Disposal Hazardous waste code The wardisposal US RCRA Hazardous Waste U List: F	Water flea (Daphnia magna)	
Crustacea EC50 Fish LC50  Persistence and degradability No data Bioaccumulative potential No data Mobility in soil No data Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied Disposal supplied Disposal Local disposal regulations Disposal Hazardous waste code The wardisposal US RCRA Hazardous Waste U List: F		5.46 - 9.83 mg/l, 48 hours
Persistence and degradability Bioaccumulative potential Mobility in soil Mobility in general Other adverse effects No other potential  Disposal instructions Contentions Contentions Contentions Contentions Contentions Local disposal regulations Disposal Hazardous waste code US RCRA Hazardous Waste U List: F	Coho colmon cilver colmon	
Bioaccumulative potential No date Mobility in soil No date Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied Dispose Local disposal regulations Dispose Hazardous waste code The war disposal US RCRA Hazardous Waste U List: F	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours
Bioaccumulative potential No date Mobility in soil No date Mobility in general Not ava Other adverse effects No other potential  Disposal instructions Content must be supplied Disposed Dispose	is available on the degradability of this pro	oduct
Mobility in general Not available of the radverse effects No other potential Not available of the radverse effects No other potential Not available of the radverse effects No other potential Not available of the radverse effects No other potential Not available of the radverse effects No other potential No other pot	available.	
Other adverse effects  No other potential  Disposal instructions  Content must be supplied Dispose Local disposal regulations  Hazardous waste code  US RCRA Hazardous Waste U List: F	available.	
Disposal instructions  Contenmust be supplied Dispose  Local disposal regulations  Hazardous waste code  US RCRA Hazardous Waste U List: F		
must be supplied Dispose  Local disposal regulations Dispose The ward disposal US RCRA Hazardous Waste U List: F	r adverse environmental effects (e.g. ozon II, endocrine disruption, global warming pol	ne depletion, photochemical ozone creation tential) are expected from this component.
must be supplied Dispose  Local disposal regulations Dispose The ward disposal US RCRA Hazardous Waste U List: F	13. Disposal Considerations	
supplie Dispos  Local disposal regulations Dispos  Hazardous waste code The wardisposal  US RCRA Hazardous Waste U List: F	s under pressure. Do not puncture, inciner	rate or crush. This material and its container allow this material to drain into sewers/water
Hazardous waste code  The wardispose US RCRA Hazardous Waste U List: F	Do not contaminate ponds, waterways or	r ditches with chemical or used container. local/regional/national/international regulations.
disposa US RCRA Hazardous Waste U List: F	in accordance with all applicable regulation	
	ste code should be assigned in discussion company.	between the user, the producer and the waste
2-Pentanone, 4-methyl- (CAS 108- Acetone (CAS 67-64-1) Toluene (CAS 108-88-3)	10-1) U161 U002 U220	
products produc	of in accordance with local regulations. E	impty containers or liners may retain some nust be disposed of in a safe manner (see:
Since 6	il instructions).	waste handling site for recycling or disposal. due, follow label warnings even after container is
	il instructions). containers should be taken to an approved	

## U.S. Department of Transportation (DOT)

Basic shipping requirements:

**UN** number

Proper shipping name

Aerosols, flammable, (each not exceeding 1 L capacity)

Page: 10 of 15

Limited Quantity - US Hazard class Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

**UN** number

UN1950 Proper shipping name

Hazard class

AEROSOLS, flammable

Limited Quantity - Canada

#### IATA/ICAO (Air)

Basic shipping requirements:

**UN** number

UN1950

Proper shipping name

Aerosols, flammable Limited Quantity - IATA

Hazard class IMDG (Marine Transport)

Basic shipping requirements:

**UN** number

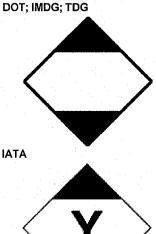
UN1950

Proper shipping name

**AEROSOLS** 

Hazard class

Limited Quantity - IMDG



### 15. Regulatory Information

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

Isobutane (CAS 75-28-5)

Listed.

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

2-Pentanone, 4-methyl- (CAS 108-10-1)

1 TONNES 2-

Propanol, 1-methoxy-, acetate (CAS 108-65-6) 1 TONNES Heptane

(CAS 142-82-5)

1 TONNES

Isobutane (CAS 75-28-5)

1 TONNES

Methane, oxybis- (CAS 115-10-6)

1 TONNES

Propane (CAS 74-98-6)

1 TONNES

Stoddard solvent (CAS 8052-41-3)

Toluene (CAS 108-88-3)

1 TONNES 1 TONNES

### Canada WHMIS Ingredient Disclosure: Threshold limits

2-Pentanone, 4-methyl- (CAS 108-10-1) Acetone (CAS 67-64-1) Heptane (CAS 142-82-5) Stoddard solvent (CAS 8052-41-3)

1 % 1 % 1 %

1 %

1 %

Toluene (CAS 108-88-3) 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.

#21413 Page: 11 of 15 Issue date 27-February-2015 4296-50

```
2-Pentanone, 4-methyl- (CAS 108-10-1)
                                                              1.0 %
        Toluene (CAS 108-88-3)
                                                               1.0 %
    US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance
        2-Pentanone, 4-methyl- (CAS 108-10-1)
                                                              Listed.
        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)
        2-Pentanone, 4-methyl- (CAS 108-10-1)
                                                              Listed.
        Acetone (CAS 67-64-1)
                                                              Listed.
        Heptane (CAS 142-82-5)
                                                              Listed.
        Isobutane (CAS 75-28-5)
                                                              Listed.
        Methane, oxybis- (CAS 115-10-6)
                                                              Listed.
        Propane (CAS 74-98-6)
                                                              Listed.
        Toluene (CAS 108-88-3)
                                                              Listed.
    US CAA Section 111 Volatile Organic Compounds: Listed substance
        2-Pentanone, 4-methyl- (CAS 108-10-1)
                                                              Listed.
                                                              Listed.
        Acetone (CAS 67-64-1)
                                                              Listed.
        Methane, oxybis- (CAS 115-10-6)
        Toluene (CAS 108-88-3)
                                                              Listed.
    US CAA Section 112(r) Accidental Release Prevention - Regulated Flammable Substance: Listed substance
        Isobutane (CAS 75-28-5)
                                                              Regulated flammable substance.
        Methane, oxybis- (CAS 115-10-6)
                                                              Regulated flammable substance.
        Propane (CAS 74-98-6)
                                                              Regulated flammable substance.
    US CAA Section 112(r) Accidental Release Prevention: Threshold quantity
        Isobutane (CAS 75-28-5)
                                                              10000 LBS
                                                              10000 LBS
        Methane, oxybis- (CAS 115-10-6)
        Propane (CAS 74-98-6)
                                                              10000 LBS
    Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
        Isobutane (CAS 75-28-5)
                                                              Listed.
        Methane, oxybis- (CAS 115-10-6)
                                                              Listed
        Propane (CAS 74-98-6)
                                                              Listed.
    Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
        2-Pentanone, 4-methyl- (CAS 108-10-1)
                                                              Listed.
        Toluene (CAS 108-88-3)
                                                              Listed.
    US CAA Section 612 SNAP Program: Listed substance
        Acetone (CAS 67-64-1)
                                                              Listed.
        Methane, oxybis- (CAS 115-10-6)
                                                              Listed.
        Propane (CAS 74-98-6)
                                                              Listed.
        Stoddard solvent (CAS 8052-41-3)
                                                              Listed.
    US CAA VOCs with Negligible Photochemical Activity: Listed substance
        Acetone (CAS 67-64-1)
                                                              Listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)
                                 Immediate Hazard - Yes
    Hazard categories
                                 Delayed Hazard - Yes
                                 Fire Hazard - Yes
                                 Pressure Hazard - Yes
                                 Reactivity Hazard - No
    SARA 302 Extremely
    hazardous substance
                                 No
    SARA 311/312 Hazardous
    chemical
    SARA 313 (TRI reporting)
        Chemical name
                                                             CAS number
                                                                                 % by wt.
        Toluene
                                                             108-88-3
                                                                                 10 - 30
Other federal regulations
                                 Hazardous substance
    Clean Water Act (CWA)
                                 Priority pollutant
    Section 112(r) (40 CFR
                                 Toxic pollutant
    68.130)
```

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

Safe Drinking Water Act

Not regulated.

(SDWA)

Food and Drug Administration (FDA)

Not regulated.

**US state regulations** 

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

```
US - California Hazardous Substances (Director's): Listed substance
```

```
      2-Pentanone, 4-methyl- (CAS 108-10-1)
      Listed.

      Acetone (CAS 67-64-1)
      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

```
2-Pentanone, 4-methyl- (CAS 108-10-1) Listed.
Benzene (CAS 71-43-2) Listed.
Crystalline silica (CAS 14808-60-7) Listed.
Titanium oxide (CAS 13463-67-7) Listed.
Toluene (CAS 108-88-3) Listed.
```

## US - Illinois Chemical Safety Act: Listed substance

2-Pentanone, 4-methyl- (CAS 108-10-1)	Listed.
Acetone (CAS 67-64-1)	Listed.
Heptane (CAS 142-82-5)	Listed.
Isobutane (CAS 75-28-5)	Listed.
Methane, oxybis- (CAS 115-10-6)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.

#### US - Louisiana Spill Reporting List: Reportable quantity (total mass into atmosphere)

2-Pentanone, 4-methyl- (CAS 108-10-1) 1000 LBS

## US - Louisiana Spill Reporting: Listed substance

2-Pentanone, 4-methyl- (CAS 108-10-1)	Listed.
Acetone (CAS 67-64-1)	Listed.
Heptane (CAS 142-82-5)	Listed.
Isobutane (CAS 75-28-5)	Listed.
Methane, oxybis- (CAS 115-10-6)	Listed.
Propane (CAS 74-98-6)	Listed.
Toluene (CAS 108-88-3)	Listed.
Michigan Outland Materials Devictor Developer	

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

Toluene (CAS 108-88-3) 00108-88-3 Listed.

#### US - Minnesota Haz Subs: Listed substance

2-Pentanone, 4-methyl- (CAS 108-10-1)	Listed.
Acetone (CAS 67-64-1)	Listed.
Heptane (CAS 142-82-5)	Listed.
Isobutane (CAS 75-28-5)	Listed.
Methane, oxybis- (CAS 115-10-6)	Listed.
Propane (CAS 74-98-6)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Titanium oxide (CAS 13463-67-7)	Listed.
Toluene (CAS 108-88-3)	Listed.

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

2-Pentanone, 4-methyl- (CAS 108-10-1)	Listed.
Acetone (CAS 67-64-1)	Listed.
Heptane (CAS 142-82-5)	Listed.
Isobutane (CAS 75-28-5)	Listed.
Methane, oxybis- (CAS 115-10-6)	Listed.
Propane (CAS 74-98-6)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Titanium oxide (CAS 13463-67-7)	Listed.
Toluene (CAS 108-88-3)	Listed.

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

2-Pentanone, 4-methyl- (CAS 108-10-1)	Listed.
Acetone (CAS 67-64-1)	Listed.
Toluene (CAS 108-88-3)	Listed.
US - North Carolina Toxic Air Pollutants: Listed subs	stance

# 2-Pentanone, 4-methyl- (CAS 108-10-1) Listed.

Toluene (CAS 108-88-3)	Listed.
- Texas Effects Screening Levels: List	ed eubetance

US - Lexas Eπects Screening Levels: Listed substance

2-Pentanone, 4-methyl- (CAS 108-10-1) Listed.

	2-Propanol, 1-methoxy-, acetate (CAS 108-65-6)	Listed.	
	Acetone (CAS 67-64-1)	Listed.	
	Aluminum hydroxide (CAS 21645-51-2)	Listed.	
	Distillates, petroleum, steam-cracked, polymers with	Listed.	
	light steam-cracked petroleum naphtha (CAS 68410-16-2)		
		Listad	
	Heptane (CAS 142-82-5)	Listed.	
	Isobutane (CAS 75-28-5)	Listed.	
	Methane, oxybis- (CAS 115-10-6)	Listed	
	Propane (CAS 74-98-6)	Listed.	
	Quaternary ammonium compounds,	Listed.	
	bis(hydrogenated tallow alkyl) dimethyl, salts with		
	bentonite (CAS 68953-58-2)		
	Stoddard solvent (CAS 8052-41-3)	Listed.	
	Titanium oxide (CAS 13463-67-7)	Listed.	
	Toluene (CAS 108-88-3)	Listed.	
US	<ul> <li>Washington Chemical of High Concern to Childre</li> </ul>	n: Listed subst	ance
	Toluene (CAS 108-88-3)	Listed.	
US.	Massachusetts RTK - Substance List		
	2-Pentanone, 4-methyl- (CAS 108-10-1)	Listed.	
	Acetone (CAS 67-64-1)	Listed.	
	Heptane (CAS 142-82-5)	Listed.	
	Isobutane (CAS 75-28-5)	Listed.	
	Methane, oxybis- (CAS 115-10-6)	Listed.	
	Propane (CAS 74-98-6)	Listed.	
	Stoddard solvent (CAS 8052-41-3)	Listed.	
	Titanium oxide (CAS 13463-67-7)	Listed.	
	Toluene (CAS 108-88-3)	Listed.	
ÚS.	Pennsylvania RTK - Hazardous Substances	Liotou.	
		Listod	
	2-Pentanone, 4-methyl- (CAS 108-10-1) Acetone (CAS 67-64-1)	Listed.	
	Heptane (CAS 142-82-5)	Listed.	
	Isobutane (CAS 75-28-5)	Listed.	
	Methane, oxybis- (CAS 115-10-6)	Listed.	
	Propane (CAS 74-98-6)	Listed.	
	Stoddard solvent (CAS 8052-41-3)	Listed.	
	Titanium oxide (CAS 13463-67-7)	Listed.	
	Toluene (CAS 108-88-3)	Listed.	
US.	Rhode Island RTK		
	2-Pentanone, 4-methyl- (CAS 108-10-1)	Listed.	
	Acetone (CAS 67-64-1)	Listed.	
	Isobutane (CAS 75-28-5)	Listed.	
	Methane, oxybis- (CAS 115-10-6)	Listed.	
	Propane (CAS 74-98-6)	Listed.	
	Toluene (CAS 108-88-3)	Listed.	

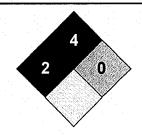
### Inventory status

Country(s) or regionInventory nameOn inventory (yes/no)\*CanadaDomestic Substances List (DSL)YesCanadaNon-Domestic Substances List (NDSL)NoUnited States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes\*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





#### 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.

Issue date Effective date Expiry date 27-February-201528-February-201528-February-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).

#21413 Page: 15 of 15 Issue date 27-February-2015 4296-50