

#### Part No. P10501CT - A (Aerosol)

Print Date: 03/09/2020 Revision Date: 9/3/2020 Supersedes Date: 9/2/2020

Issue Date: 11/19/2019 Version: 4.0 (EN)-US Page: 1/12

## **Undercoating In A Can - Rubberized**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### **SECTION 1 - IDENTIFICATION**

#### **Product Identifier** 1.1

**Product Name** : Undercoating In A Can - Rubberized

**Manufacturer Product Number** : P10501CT - A

#### **Other Means of Identification**

Other Identifiers : Not Available

#### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against 1.3

**Recommended Use** : Coating **Restrictions on Use** : None Identified

#### **Supplier Details**

**Supplier Details Manufacturer Details** 

**Company Name** Chem-Pak Inc Undercoating In A Can

242 Corning Way, Martinsburg, WV 25405 -454 South Main Street, Wilkes-Barre, PA 18703 **Address** 

**United States** 

**Phone Number** 304-262-1880 570-822-1151

**Fax Number** 304-262-9643

**Email** msds@chem-pak.com Website http://www.chem-pak.com

#### 1.5 24 hr Emergency Phone Number

: 800-255-3924 **Emergency Number** 

Chem-Tel

## **SECTION 2 - HAZARDS IDENTIFICATION**

2.1 Classification of the Substance or Mixture				
Flam. Aerosol 1	H222	Physical Hazards	Flammable aerosol Category 1	
Press. Gas (Comp.)	H280	Physical Hazards	Gases under pressure Compressed gas	
Skin Irrit. 2	H315	Health Hazards	Skin corrosion/irritation Category 2	
Eye Irrit. 2a	H319	Health Hazards	Serious eye damage/eye irritation Category 2A	
Carc. 2	H351	Health Hazards	Carcinogenicity Category 2	
Repr. 2	H361	Health Hazards	Reproductive toxicity Category 2	
Stot Se 3	Н336	Health Hazards	Specific target organ toxicity (single exposure) Category 3, Narcosis	
Stot Re 2	H373	Health Hazards	Specific target organ toxicity (repeated exposure) Category 2	
Aquatic Acute 3	H402	Environmental Hazards	Hazardous to the aquatic environment - Acute Hazard Category 3	
Aquatic Chronic 3	H412	Environmental Hazards	Hazardous to the aquatic environment - Chronic Hazard Category 3	

#### **Label Elements**

**Hazard Pictograms** 

Signal Word

**Hazard Statements** 









Danger

H222 : Extremely flammable aerosol

H280 Contains gas under pressure; may explode if heated

: Causes skin irritation H315



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	H319	:	Causes serious eye irritation
	H336	:	May cause drowsiness or dizziness
	H351	:	Suspected of causing cancer
	H361	:	Suspected of damaging fertility or the unborn child
	H373	:	May cause damage to organs through prolonged or repeated exposure
	H402	:	Harmful to aquatic life
	H412	:	Harmful to aquatic life with long lasting effects
Precautionary Statements	P202	:	Do not handle until all safety precautions have been read and understood.
	P210	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211	:	Do not spray on an open flame or other ignition source.
	P251	:	Pressurized container: Do not pierce or burn, even after use.
	P260	:	Do not breathe spray.
	P264	:	Wash hands thoroughly after handling.
	P271	:	Use only outdoors or in a well-ventilated area.
	P273	:	Avoid release to the environment.
	P280	:	Wear protective gloves and eye protection.
	P302+P352	:	If on skin: Wash with plenty of water.
	P304+P340	:	If inhaled: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313	:	If exposed or concerned: Get medical advice/attention.
	P314	:	Get medical advice/attention if you feel unwell.
	P332+P313	:	If skin irritation occurs: Get medical advice/attention.
	P337+P313	:	If eye irritation persists: Get medical advice/attention.
	P362+P364	:	Take off contaminated clothing and wash it before reuse.
	P403	:	Store in a well-ventilated place.
	P410+P412	:	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P501	:	Dispose of contents/container to applicable regulations.

### 2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

### 2.4 Unknown acute toxicity

43.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

43.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

13.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (vapors))

## **SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

#### 3.1 Substance / Mixture

Substance / Mixture : Mixture

#### 3.2 Composition

Substance name	CAS Number	% wt*	Classification
Ethyl Acetate	141-78-6	10 - 30	Flam. Liq. 2, H225
			Eye Irrit. 2A, H319
			STOT SE 3, H336
Propane	74-98-6	10 - 30	Flam. Gas 1, H220
			Press. Gas (Diss.), H280



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Substance name	CAS Number	% wt*	Classification
Toluene	108-88-3	10 - 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401
Methyl Ethyl Ketone	78-93-3	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
N-Butane	106-97-8	5 - 10	Flam. Gas 1, H220 Press. Gas (Diss.), H280
Acetone	67-64-1	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Hydrotreated Light Petroleum Naphtha	64742-49-0	5 - 10	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Isobutane	75-28-5	5 - 10	Flam. Gas 1, H220 Press. Gas (Diss.), H280
Carbon Black	1333-86-4	1 - 5	Carc. 2, H351

Full text of hazard classes and H-statements : see section 16

### **SECTION 4 - FIRST-AID MEASURES**

#### 4.1 **Description of First-Aid Measures**

**General Measures** : If exposed or concerned: Get medical advice/attention.

: Remove person to fresh air and keep comfortable for breathing. Inhalation

: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical **Skin Contact** 

advice/attention.

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue **Eye Contact** 

rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion : Call a poison center or a doctor if you feel unwell.

Wear adequate personal protective equipment based on the nature and severity of the emergency. **First-Aid Responder Protection** 

#### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritation, Dermatitis, Central Nervous System Depression, Confusion,

Skin Irritation, Headache, Dizziness, Narcosis, Upper Respiratory Tract Irritation, Drowsiness, Vomiting,

Mucous Membrane : No known delayed effects.

**Immediate Effects** : No known immediate effects.

**Chronic Effects** Because of defatting properties, repeated skin contact can cause skin damage such as chap, dermatitis,

inflammation and the formation of eczema.

**Target Organs** : Central Nervous System, Eyes, Liver, Reproductive System, Respiratory System, Skin, Kidneys.

#### **Indication of Immediate Medical Attention and Special Treatment**

**Notes to Physician** : Treat symptomatically. **Specific Treatments/Antidotes** : No Information Available.

**Medical Conditions Aggravated** : May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

### **SECTION 5 - FIRE-FIGHTING MEASURES**

#### **Suitable Extinguishing Media**

**Delayed Effects** 

Extinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foam.

<sup>\*</sup>Chemical name, CAS number and/or exact concentration have been withheld as a trade secret



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**Unsuitable Media** : Water jet.

#### 5.2 **Specific Hazards Arising from the Chemical or Mixture**

**Hazardous Combustion Products** 

- : Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.
- **Specific Hazards During Firefighting**
- : Contents under pressure. Extremely flammable. In a fire or if heated, a pressure increase will occur which may result in container bursting.

#### 5.3 **Special Protective Actions for Fire-Fighters**

**Firefighting Instructions** 

: Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure.

**Protection during Firefighting** 

: Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

#### **Personal Precautions, Protective Equipment and Emergency Procedures** 6.1

For Non-Emergency Personnel

- : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.
- For Emergency Personnel : Use personal protection as recommended in Section 8.

#### **Environmental Precautions** 6.2

**Environmental Precautions** 

: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

#### Methods and Materials for Containment and Cleaning up 6.3

**Containment Procedures** 

: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents.

**Cleanup Procedures** 

: Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

Other Information

- : Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned.
- **Prohibited Materials** : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.

### **SECTION 7 - HANDLING AND STORAGE**

#### **Precautions for Safe Handling**

**General Handling Precautions** 

: KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation.

**Hygiene Recommendations** 

Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

#### 7.2 **Conditions for Safe Storage Including Any Incompatibilities**

**Storage Requirements** 

: Storage of individual cans should be done in an area below 55°C (120°F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended.

Incompatibilities NFPA 30B Classification

- : Segregate storage away from materials indicated in Section 10.
- : This product is classified as a Level 3 Aerosol per NFPA 30B



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# **SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1 Control Paramete	ers	
N-Butane (106-97-8)		
ACGIH	ACGIH TWA (mg/m³)	1000 ppm
ACGIH	ACGIH Ceiling (mg/m³)	1000 ppm
OSHA	OSHA PEL (TWA) (ppm)	800 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	1900
NIOSH	NIOSH REL (TWA) (ppm)	800 ppm
California	California PEL (TWA) (mg/m3)	1900 mg/m³
California	California PEL (TWA) (ppm)	800 ppm
Propane (74-98-6)		
OSHA	OSHA PEL (TWA) (mg/m³)	1800 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	2100 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	1800 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
California	California PEL (TWA) (mg/m3)	1800 mg/m³
California	California PEL (TWA) (ppm)	1000 mg/m
Isobutane (75-28-5)	ACCIH TIMA (ma/m³)	1000
ACGIH	ACGIH TWA (mg/m³)	1000 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	1900 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	800 ppm
Ethyl Acetate (141-78-6)		
ACGIH	ACGIH TWA (mg/m³)	400 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	1400 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
NIOSH	US IDLH (ppm)	2000 ppm
NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
California	California PEL (TWA) (mg/m3)	1400 mg/m³
California	California PEL (TWA) (ppm)	400 ppm
Methyl Ethyl Ketone (78-93-3)		
ACGIH	ACGIH TWA (mg/m³)	200 ppm
ACGIH	ACGIH Ceiling (mg/m³)	300 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	590 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
NIOSH	US IDLH (ppm)	3000 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	590 mg/m³
NIOSH	NIOSH REL (TWA) (ING/III )  NIOSH REL (TWA) (ppm)	200 ppm
California	California PEL (TWA) (mg/m3)	590 mg/m³
California	California PEL (TWA) (ppm)	200 ppm
California	California PEL (TWA) (ppm)  California PEL (STEL) (mg/m3)	885 mg/m <sup>3</sup>
		<u> </u>
California Biological Exposure Index	California PEL (STEL) (ppm)  MEK in Urine, End of shift	300 ppm 2 mg/l
<u> </u>	MER III Offine, Ena of Shift	Z mg/i
Toluene (108-88-3)		
ACGIH	ACGIH TWA (mg/m³)	20 ppm
ACGIH	ACGIH Ceiling (mg/m³)	150 ppm
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
NIOSH	US IDLH (ppm)	500 ppm
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
NIOSH	NIOSH REL (STEL) (ppm)	150 ppm
California	California PEL (TWA) (mg/m3)	37 mg/m³
California	California PEL (TWA) (ppm)	10 ppm
California	California PEL (STEL) (mg/m3)	560 mg/m³
California	California PEL (STEL) (ppm)	150 ppm



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Toluene (108-88-3)		
California	California PEL (Ceiling) (ppm)	500 ppm
Biological Exposure Index	Toluene in blood, Prior to last shift of workweek	0.02 mg/l
Biological Exposure Index	Toluene in urine, End of shift	0.03 mg/l
Biological Exposure Index	o-Cresol in urine (with hydrolysis), End of shift (B)	0.3 mg/g creatinine

Acetone (67-64-1)		
ACGIH	ACGIH TWA (mg/m³)	250 ppm
ACGIH	ACGIH Ceiling (mg/m³)	500 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	2400 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	2500 ppm
NIOSH	NIOSH REL (TWA) (ppm)	250 ppm
California	California PEL (TWA) (mg/m3)	1200 mg/m³
California	California PEL (TWA) (ppm)	500 ppm
California	California PEL (STEL) (mg/m3)	1780 mg/m³
California	California PEL (STEL) (ppm)	750 ppm
California	California PEL (Ceiling) (ppm)	3000 ppm
Biological Exposure Index	Acetone in urine, End of shift (Ns)	25 mg/l

Carbon Black (1333-86-4)		
ACGIH	ACGIH TWA (ppm)	3 mg/m³
OSHA	OSHA PEL (TWA) (mg/m³)	3.5 mg/m³
NIOSH	US IDLH (mg/m³)	1750 mg/m³
NIOSH	NIOSH REL (TWA) (mg/m³)	3.5 mg/m³
California	California PEL (TWA) (mg/m3)	3.5 mg/m³

#### **8.2** Exposure Controls

**Engineering Measures** 

: Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

**Personal Protective Equipment** 

Eye / Face Protection

: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

**Hand Protection** 

 $: \ \ \textit{Chemical-resistant gloves, tested according to ASTMF903-17}.$ 

Remarks

: Breakthrough time has not been determined for this product. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work. Change gloves often.

**Skin and Body Protection** 

: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

**Respiratory Protection** 

: An approved respirator may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. Under those circumstances, users should be provided with either a half-facepiece (if wearing safety glasses) or a full-facepiece (if not wearing safety glasses) airpurifying respirator, fitted with organic vapor cartidges and P95 filters.

Compliance

: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.

Other Protective Equipment

: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

**Environmental Exposure Controls** 

: Avoid release to the environment.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Physical Properties			
Boiling Point	> 55.60 °C	Melting / Freezing Point	> -86.11 °C
Flash Point, Liquid	> -20.00 °C	Flash Point, Propellant	-104.44 °C
Explosive Limits	LEL: 0.80 UEL: 12.80 vol %	Autoignition Temperature, Liquid	> 252.00 °C
Flammability	Extremely Flammable Aerosol	Density	0.752 g/cm³
Molecular Weight	Not Available	Weight	6.275 lbs/gal
Vapor Pressure	Not Available	pH	Not Available



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Vapor Density	Not Available	Evaporation Rate (nBAc=1)	Not Available
Viscosity	44.10 cSt (centistoke) @ 40 °C	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Pressurized Product	Heat Of Combustion	13324.58 BTU/lb
Appearance / Color	Black	Water Solubility	Not Available
Odor	Solvent	Decomposition Temperature	Not Available

9.2 Environmental Properties				
Percent Volatile	85.20 % wt	VOC Regulatory	629.69 g/L (5.25 lbs/gal)	
Percent VOC	76.17 % wt	VOC Actual	572.78 g/L (4.78 lbs/gal)	
Percent HAP	10.70 % wt	HAP Content	80.46 g/L (0.67 lbs/gal)	
Global Warming Potential	1.10 GWP	Maximum Incremental Reactivity	1.1770 g O3/g	
Ozone Depletion Potential	0.00 ODP			

## **SECTION 10 - STABILITY AND REACTIVITY**

10.1 Reactivity

**Reactivity** : No specific test data related to reactivity is available for this products or its ingredients.

10.2 Chemical Stability

Chemical Stability : This product is stable.

**10.3** Possibility of Hazardous Reactions

**Hazardous Reactions** : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

10.4 Conditions to Avoid

**Conditions to Avoid** : Electrostatic Discharge, Other Ignition Sources, Hot Surfaces, Heat, Flames, Sparks.

10.5 Incompatible Materials

Materials to Avoid: Strong Oxidizing Agents, Strong Reducing Agents, Strong Acids, Potassium t-Butoxide, Halogen Compounds,Bases, Aluminum Chloride, Acids, Hydrogen Peroxide, Magnesium, Strong Bases, Chlorosulfuric Acid,

Potassium Chlorate, Organic Peroxides.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Aldehydes, Formaldehyde, Methanol, Acetic Acid.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

## 11.1 Information on Toxicological Effects

N-Butane (CAS: 106-97-8 / EC: 203-448-7)		
LC50 Inhalation (Rat)	658 mg/l/4h (ChemInfo)	
LC50 Inhalation (Rat)	276000 ppm/4h (ChemInfo)	

## Propane (CAS: 74-98-6 / EC: 200-827-9)

LC50 Inhalation (Rat) 658 mg/l/4h (Lit.)

#### Isobutane (CAS: 75-28-5 / EC: 200-857-2)

LC50 Inhalation (Rat) 368000 ppm/4h (ChemInfo)

#### Ethyl Acetate (CAS: 141-78-6 / EC: 205-500-4)

Ethyl Acetule (CAS. 141-70-6 / EC. 203-300-4)		
LD50 Oral (Rat)	5620 mg/kg (RTECS)	
LD50 Dermal (Rabbit)	> 18000 mg/kg (Sigma-Aldrich)	
LC50 Inhalation (Rat)	10600 ppm/4h (ChemInfo)	



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Methyl Ethyl Ketone (CAS: 78-93-3 / EC: 201-159-0)		
LD50 Oral (Rat)	2737 mg/kg (Sigma-Aldrich)	
LD50 Dermal (Rabbit)	5480 mg/kg (RTECS)	
LC50 Inhalation (Rat)	205 mg/l/4h (ChemInfo)	
LC50 Inhalation (Rat)	30200 ppm/4h (Cheminfo)	
Toluene (CAS: 108-88-3 / EC: 203-625-9)		
LD50 Oral (Rat)	> 2000 mg/kg (Lit.)	
LD50 Dermal (Rabbit)	12124 mg/kg (IUCLID)	
LC50 Inhalation (Rat)	> 20 mg/l/4h (Lit.)	
Hydrotreated Light Petroleum Naphtha (CAS: 64742-4	9-0 / EC: 265-151-9)	
LD50 Oral (Rat)	> 5800 mg/kg (External SDS)	
LD50 Dermal (Rabbit)	> 2920 mg/kg (External SDS)	
LC50 Inhalation (Rat)	> 23 mg/l/4h (External SDS)	
Acetone (CAS: 67-64-1 / EC: 200-662-2)		
LD50 Oral (Rat)	5800 mg/kg (Sigma-Aldrich)	
LD50 Dermal (Rabbit)	20000 mg/kg (IUCLID)	
LC50 Inhalation (Rat)	76 mg/l/4h (GESTIS Substance Database)	

LC50 Inhalation (Rat)

LD50 Oral (Rat)

LD50 Dermal (Rabbit)

**Routes Of Exposure** 

Carbon Black (CAS: 1333-86-4 / EC: 215-609-9)

Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.See Section 4.2

> 15400 mg/kg (RTECS)

> 3000 mg/kg (RTECS)

27 mg/l/4h (ChemInfo)

Delayed and Immediate Effects and Also Chronic

Effects from Short and Long Term Exposure

**Skin Corrosion/Irritation** : Causes skin irritation.

**Eye Damage/Irritation** : Causes serious eye irritation.

Respiratory or Skin Sensitization : Not classified
Germ Cell Mutagenicity : Not classified

**Reproductive Toxicity** : Suspected of damaging fertility or the unborn child.

**STOT-Single Exposure** : May cause drowsiness or dizziness.

STOT-Repeated Exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard : Not classified Vaporizer : Aerosol

**Carcinogen Data** : The following ingredients are listed as known or suspected carcinogens:

### Carbon Black (CAS: 1333-86-4 / EC: 215-609-9)

ACGIH Category A3 - Confirmed animal carcinogen with unknown relevance to humans

### **SECTION 12 - ECOLOGICAL INFORMATION**

### 12.1 Ecotoxicity and Ecological Properties

n-Butane (106-97-8)	
Persistence and Degradibility	Readily biodegradable in water.
Bioconcentration Factor	33.52
Log Pow	2.89
Bioacculative Potential	Low potential for bioaccumulation (Log Kow < 4).
Log Koc	1.641

Propane (74-98-6)	
Persistence and Degradibility	Readily biodegradable in water. Not applicable (gas). Photodegradation in the air.
BCF Fish	9 - 25 (BCF)
Log Pow	2.28 (Calculated)
Bioacculative Potential	Low potential for bioaccumulation (Log Kow < 4).



EC50 Daphnia

Persistence and Degradibility

Biochemical Oxygen Demand

Chemical Oxygen Demand

# **SAFETY DATA SHEET**

## Part No. P10501CT - A (Aerosol)

Print Date: 03/09/2020 Revision Date: 9/3/2020 Supersedes Date: 9/2/2020 Issue Date: 11/19/2019 Version: 4.0 (EN)-US Page: 9/12

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	according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Isobutane (75-28-5)	
<u>'</u>	
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Not applicable (gas).
BCF Fish	26.62
Log Pow	2.76
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	1.545
Ethyl Acetate (141-78-6)	
LC50 Fish	450 - 600 mg/l Rainbow Trout - 96hr
LC50 Fish	220 - 250 mg/l Fathead Minnow - 96h
LC50 Other Aquatic Organisms	560 mg/l Water Flea - 48hr
EC50 Daphnia	2300 - 3090 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	4300 mg/l Green Algae - 24hr
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical Oxygen Demand	0.293 g O₂/g substance
Chemical Oxygen Demand	1.69 g O₂/g substance
Theoretical Oxygen Demand	1.82 g O₂/g substance
Biodegration	100 % 28 Days
BCF Fish	30
Log Pow	0.73
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.778
Methyl Ethyl Ketone (78-93-3)	
LC50 Fish	3130 - 3320 mg/l Fathead Minnow - 96h
EC50 Daphnia	7060 mg/l Water Flea - 24hr
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic
r crosscerroe and 2 egradum,	conditions.
Biochemical Oxygen Demand	2.03 g O₂/g substance
Chemical Oxygen Demand	2.31 g O <sub>2</sub> /g substance
Theoretical Oxygen Demand	$2.44 \text{ g } O_2/\text{g substance}$
Log Pow	0.3 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 40 °C)
Bioacculative Potential	Low potential for bioaccumulation (Log Kow < 4).
Log Koc	Koc,34; Calculated value
Toluene (108-88-3)	
LC50 Fish	5.8 mg/l Rainbow Trout - 96hr
LC50 Other Aquatic Organisms	10 mg/l Green Algae - 72hr
EC50 Daphnia	6 mg/l Water Flea - 48hr
Persistence and Degradibility	Readily biodegradable in water. Biodegradable in the soil. Low potential for absorption in soil.
Biochemical Oxygen Demand	2.15 g O₂/g substance
Chemical Oxygen Demand	2.52 q O₂/q substance
Theoretical Oxygen Demand	$3.13 \text{ g } O_2/\text{g}$ substance
Biodegration	86 % 28 Days
Log Pow	2.73 (Experimental Value)
Bioacculative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	2.15
Hydrotreated Light Petroleum Naphtha (6	4742-49-0)
LC50 Fish	4.1 mg/l Fathead Minnow - 96h
EC50 Daphnia	10 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	11 mg/l Green Algae - 72hr
Log Kow	3.6 - 5.7
Acetone (67-64-1)	
LC50 Fish	5540 mg/l Rainbow Trout - 96hr
LC50 Fish	8300 mg/l Bluegill Sunfish - 96h

8800 mg/l Water Flea - 48hr

1.43 g O₂/g substance

1.92 g O₂/g substance

Biodegradability 90% / 28 days.



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Acetone (67-64-1)	
Theoretical Oxygen Demand	2.2 g O₂/g substance
BCF Fish	0.69
BCF Other Aquatic Organisms	3
Log Pow	-0.24

Carbon Black (1333-86-4)	
LC50 Fish	> 1000 mg/l Zebra Fish - 96hr
EC50 Daphnia	> 5600 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	> 10000 mg/l Green Algae - 72hr
Chemical Oxygen Demand	Not applicable
Theoretical Oxygen Demand	Not applicable
Log Pow	1.09
Bioacculative Potential	Not bioaccumulative.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

#### 13.1 Waste Treatment Methods

**Limited Quantity** 

Waste Disposal : Characteristics and waste stream classification can change with product use and location. It is the

responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in

compliance with the respective national, federal, state, and/or local regulations.

Waste Disposal Of Packaging : In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR

the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFI 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed

 $under\ all\ applicable\ RCRA\ and\ state\ regulations.$ 

Landfill Precautions : Not Available.

Incineration Precautions : \*\* DO NOT INCINERATE \*\* CONTENTS UNDER PRESSURE \*\*.

### **SECTION 14 - TRANSPORTATION INFORMATION**

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
LINEAL AND	11114050	11111050	11111050

 UN Number
 :
 UN1950
 UN1950
 UN1950

## 14.2 UN Proper Shipping Name DOT (USA) IATA (AIR) IMDG (OCEAN)

UN Proper Shipping Name : Aerosols, Limited Quantity Aerosols, Flammable, Limited Aerosols, Limited Quantity

Quantity

Aerosols, Limited Quantity

14.3	Transport Hazard Class(es)		DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transp	ort Hazard Class(es)	:	2.1	2.1	2.1

 Iransport Hazard Class(es)
 :
 2.1
 2.1
 2.1

 Labels
 :
 None
 2.1 - Flammable gas
 None







Yes

 EmS Code
 :
 Not Applicable
 Not Applicable
 F-D,S-U

14.4Packing GroupDOT (USA)IATA (AIR)IMDG (OCEAN)Packing Group:NoneNoneNone

14.5	Environmental Hazards	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
47.0	LIIVII OIIIIICIILAI HAZAI US			IIVIDG (OCLAIV)

Marine Pollutant : No No No No



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#### 14.6 Special Precautions

**Precautions** : None Identified

#### 14.7 Transport in Bulk

**Remarks** : Not applicable for product as supplied

### **SECTION 15 - REGULATORY INFORMATION**

#### 15.1 Federal Regulations

**SARA Section 313** 

: Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ethyl Acrylate	CAS-No. 140-88-5	0.001 - 0.01%
Toluene	CAS-No. 108-88-3	10 - 30%
Ethyl Benzene	CAS-No. 100-41-4	0.01 - 0.1%
Benzene	CAS-No. 71-43-2	< 0.0001%
Naphthalene	CAS-No. 91-20-3	0.0001 - 0.001%
Cumene	CAS-No. 98-82-8	0.0001 - 0.001%

TSCA Section 12(b)

: This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D

**CERCLA Reportable Quantity** 

: Chemical(s) subject to reporting requirements of Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) if released to the environment at or above the reportable quantity

Ethyl Acrylate	CAS-No. 140-88-5	1000 lb
Ethyl Acetate	CAS-No. 141-78-6	5000 lb
Methyl Ethyl Ketone	CAS-No. 78-93-3	5000 lb
Toluene	CAS-No. 108-88-3	1000 lb
Acetone	CAS-No. 67-64-1	5000 lb
Ethyl Benzene	CAS-No. 100-41-4	1000 lb
Benzene	CAS-No. 71-43-2	10 lb
Naphthalene	CAS-No. 91-20-3	100 lb
Cumene	CAS-No. 98-82-8	5000 lb

### **15.2** State Regulations

**California Proposition 65** 

: This product contains chemcials known to the State of California to cause cancer, birth defects or other reproductive harm.

Ethyl Acrylate (140-88-5)	Cancer	Yes	0.0025 %
Carbon Black (1333-86-4)	Cancer	Yes	1.26 %
Quartz (14808-60-7)	Cancer	Yes	0.042 %
Ethyl Benzene (100-41-4)	Cancer	Yes	0.0378 %
Benzene (71-43-2)	Cancer	Yes	0.0 %
Naphthalene (91-20-3)	Cancer	Yes	0.0004 %
Cumene (98-82-8)	Cancer	Yes	0.0004 %
Toluene (108-88-3)	Developmental Toxicity	Yes	10.6636 %
Benzene (71-43-2)	Developmental Toxicity	Yes	0.0 %
Toluene (108-88-3)	No significance risk level (NSRL)	7000 μg/day	
Ethyl Benzene (100-41-4)	No significance risk level (NSRL)	54 μg/day	

State Right-to-Know Lists

: The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated



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n-Butane (106-97-8)	U.S New Jersey - Right to Know Hazardous Substance List
Propane (74-98-6)	U.S New Jersey - Right to Know Hazardous Substance List
Isobutane (75-28-5)	U.S New Jersey - Right to Know Hazardous Substance List
Ethyl Acrylate (140-88-5)	U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Ethyl Acetate (141-78-6)	U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Methyl Ethyl Ketone (78-93-3)	U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Toluene (108-88-3)	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Acetone (67-64-1)	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Carbon Black (1333-86-4)	U.S New Jersey - Right to Know Hazardous Substance List
Quartz (14808-60-7)	U.S New Jersey - Right to Know Hazardous Substance List
Ethyl Benzene (100-41-4)	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Benzene (71-43-2)	U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Naphthalene (91-20-3)	U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
Cumene (98-82-8)	U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List

# **SECTION 16 - OTHER INFORMATION**

Indication of changes

Section	hanged item Change	
1	Name	Modified
1	Revision date	Modified
1	Supersedes	Modified

#### **Disclaimer of Liability**

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be undermilair, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.