## SECTION 1. IDENTIFICATION

### Product identifier used on the label

: INSTANT PARTS CLEANER & DEGREASER

Product Code(s) : PCD14TC

Recommended use of the chemical and restrictions on use

Cleaner.

Uses advised against None known.

Chemical family : Mixture of: Ketones; Propellant; Aliphatic hydrocarbons

Manufacturer/Importer/Supplier/Distributor Information:

Blumenthal Brands Integrated, LLC

600 Radiator Rd. Indian Trail, NC 28079

**Website:** www.solvewithB.com **Email:** sds@solvewithB.com

Customer Service / Technical :(704) 821-7643

Emergency phone number :INFOTRAC (Domestic) (800)-535-5053 :INFOTRAC (International) (352)-323-3500

### SECTION 2. HAZARDS IDENTIFICATION

### Classification of the chemical

Clear liquid, contained in a pressurized aerosol can. Ketone odour.

### Most important hazards:

Extremely flammable aerosol. May be ignited by open flames and sparks. Contents under pressure. Container may explode if heated

Causes serious eye irritation. May cause respiratory irritation. Inhalation may cause central nervous system depression.

Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

Toxic to aquatic life with long lasting effects. Avoid release to the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. See Section 12 for more environmental information.

This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification:

Flammable aerosol - Category 1

Gases under pressure

Eye damage/irritation - Category 2

Specific target organ toxicity, single exposure - Category 3 (Narcotic effects; Respiratory irritation)

### Label elements

### Hazard pictogram(s)



Signal Word

## DANGER!

## Hazard statement(s)

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes serious eye irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

#### Precautionary statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing mist or vapours. Wash exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye/face protection.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

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.

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

Dispose of contents/container in accordance with local regulation.

### Other hazards

Other hazards which do not result in classification:

Toxic fumes may be released during a fire. Prolonged or repeated contact may cause drying, cracking and defatting of the skin. May be harmful if swallowed and enters airways. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache). Prolonged overexposure may cause slight kidney effects, such as increased organ weight.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Chemical name	Common name and synonyms	CAS#	Concentration (% by weight)
Acetone	2-Propanone Methyl ketone	67-64-1	81.0
Carbon dioxide	Carbonic anhydride	124-38-9	10.0
Heptane, branched, cyclic and linear	Dipropylmethane Heptyl hydride	426260-76-6	9.0

## SECTION 4. FIRST-AID MEASURES

### Description of first aid measures

Ingestion

: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.

Inhalation

: If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing stops, provide artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact

 For skin contact, wash with soap and water while removing contaminated clothing. If irritation or symptoms develop, seek medical attention.

Eye contact

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with water for at least 15 minutes. If eye irritation persists: get medical advice/attention.

### Most important symptoms and effects, both acute and delayed

 Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties.

May cause central nervous system effects. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

May be harmful if swallowed and enters airways. Product may present an aspiration hazard, if ingested in large amounts, causing life-threatening lung injury. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Prolonged or repeated contact may cause drying, cracking and defatting of the skin. Prolonged overexposure may cause slight kidney effects, such as increased organ weight.

### Indication of any immediate medical attention and special treatment needed

Immediate medical attention is required. Product may present an aspiration hazard, if ingested in large amounts, causing life-threatening lung injury. Provide general supportive measures and treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

# SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

Suitable extinguishing media

: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam; Water fog.

Unsuitable extinguishing media

: Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture / Conditions of flammability

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Material will float on water and can be re-ignited at the water's surface. This product is contained under pressure, and could explode when exposed to heat and flame.

### Hazardous combustion products

: Carbon oxides; Formaldehyde; acetic acid; Other irritating fumes and smoke.

### Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## Special fire-fighting procedures

Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Shield personnel to protect from venting or rupturing containers. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

# SECTION 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

: Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Wear appropriate protective equipment. Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions**

: Prevent product from entering drains, sewers, waterways and soil. Avoid release to the environment

## Methods and material for containment and cleaning up

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

Refer to Section 13 for disposal of contaminated material.

### SECTION 7. HANDLING AND STORAGE

## Precautions for safe handling

: Use only outdoors or in a well-ventilated area. Wear suitable protective equipment during handling. Wear eye/face protection. Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Keep away from incompatibles. Always replace cap after use. Wash thoroughly after handling.

### Conditions for safe storage

Store in cool/well-ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Do not store near any incompatible materials (see Section 10).

Incompatible materials

: Strong oxidizing agents; Reducing agents

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:							
Chemical Name	<u>Chemical Name</u> <u>ACGIH TLV</u> <u>OSHA PEL</u>						
	TWA	<u>STEL</u>	<u>PEL</u>	STEL			
Acetone	250 ppm	500 ppm	1000 ppm (2400 mg/m³)	N/Av			
Carbon dioxide	5000 ppm	30 000 ppm	5000 ppm (9000 mg/m³)	N/Av			
Heptane, branched, cyclic and linear	400 ppm (n-Heptane)	500 ppm (n-Heptane)	500 ppm (2000 mg/m³) (n-Heptane)	N/Av			

## **Exposure controls**

### Ventilation and engineering measures

: Use only outdoors or in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

### Respiratory protection

: If airbourne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Refer to CSA Z94.3 or other appropriate standards. Advice should be sought from respiratory protection specialists.

## Skin protection

: Gloves impervious to the material are recommended. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Depending on conditions of use, an impervious apron should be worn.

## Eye / face protection

: Wear eye/face protection. Wear as appropriate: Tightly fitting safety goggles; Safety glasses with side shields. A full face shield may also be necessary.

### Other protective equipment

Ensure that eyewash stations and safety showers are close to the workstation location.
 Other equipment may be required depending on workplace standards.

# General hygiene considerations

 Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**: Clear liquid, contained in a pressurized aerosol can.

Odour : Ketone odour.

Odour threshold : N/Av
pH : N/Av
Melting/Freezing point : N/Av
Initial boiling point and boiling range

: 56°C (133°F) (Acetone)

Flash point : - 17°C (1.4°F) (Acetone)

Flashpoint (Method) : closed cup Evaporation rate (BuAe = 1) : N/Av

Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.)

2.5% (Acetone)

Upper flammable limit (% by vol.)

: 12.8% (Acetone)

Oxidizing properties : None known.

**Explosive properties**: Aerosols are sensitive to mechanical impact. Closed containers are contained under

pressure and may explode if exposed to excess heat for a prolonged period of time.

Vapour pressure : 185 mmHg @ 20°C (68°F) (Acetone)

Vapour density : N/Av

Relative density / Specific gravity

: 0.779 (concentrate)

Solubility in water : N/Av Other solubility(ies) : N/Av

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: N/Av

Viscosity : < 20 mm²/sec (concentrate)

Volatiles (% by weight) : 81% (estimated)

Volatile organic Compounds (VOC's)

: N/Av

Absolute pressure of container

: N/Av

Flame projection length : N/Av Other physical/chemical comments

: Chemical heat of combustion: 26.13 kJ/g (estimated)

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity**: Not normally reactive.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid : Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with

incompatible materials. Protect from sunlight and do not expose to temperatures exceeding

50 °C/122 °F.

Incompatible materials : Strong oxidizing agents; Reducing agents

Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

## SECTION 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure:

 $\begin{tabular}{lll} Routes of entry inhalation & : YES \\ Routes of entry skin & eye & : YES \\ Routes of entry Ingestion & : YES \\ Routes of exposure skin absorption \\ \end{tabular}$ 

: NO

## **Potential Health Effects:**

## Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

• May cause respiratory irritation. May cause coughing and breathing difficulties. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. In extremely high concentrations, product may act as an asphyxiant and cause increased breathing and pulse rates, fatigue and unconsciousness.

Sign and symptoms ingestion

: May be harmful if swallowed and enters airways. Product may present an aspiration hazard, if ingested in large amounts, causing life-threatening lung injury. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Sign and symptoms skin

May cause mild skin irritation. Direct skin contact may cause temporary redness. If product is sprayed directly on skin, symptoms of frostbite may be experienced including numbness, prickling and itching.

Sign and symptoms eyes

Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision. If product is sprayed directly into the eyes, could cause freezing of the eye.

# **Potential Chronic Health Effects**

Prolonged or repeated skin exposure may cause redness, a burning sensation, drying and cracking of the skin (dermatitis). Prolonged overexposure may cause slight kidney effects, such as increased organ weight.

Mutagenicity

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

# Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

Sensitization to material

No data available to indicate product or components may be respiratory sensitizers. No data available to indicate product or components may be skin sensitizers.

Specific target organ effects

: This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Specific target organ toxicity, single exposure - Category 3. May cause drowsiness or dizziness. May cause respiratory irritation.

### Medical conditions aggravated by overexposure

: Pre-existing skin, eye, respiratory and central nervous system disorders.

Synergistic materials : None known or reported by the manufacturer.

Toxicological data

: No data is available on the product itself. See below for individual ingredient acute toxicity

	LC50 (4hr)	LD50	
Chemical name	<u>inh, rat</u>	(Oral, rat)	(Rabbit, dermal)
Acetone	30 000 ppm (71 mg/L) (vapour)	5800 mg/kg	> 15 800 mg/kg
Carbon dioxide	200 000 ppm/2H (141 421 ppm/4H)	N/Ap(gas)	N/Ap(gas)
Heptane, branched, cyclic and linear	25 000 ppm (102.5 mg/L) (vapour) (Read-across)	N/Av mg/kg (Read-across)	> 2000 mg/kg (No mortality) (Read-across)

## Other important toxicological hazards

: None known or reported by the manufacturer.

# SECTION 12. ECOLOGICAL INFORMATION

# **Ecotoxicity**

Toxic to aquatic life with long lasting effects. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. The product contains the following substances which are hazardous for the environment: Heptane.

See the following tables for individual ingredient ecotoxicity data.

### Ecotoxicity data:

<u>Ingredients</u>	2424	Toxicity to Fish				
	CAS No	LC50 / 96h	NOEC / 21 day	M Factor		
Acetone	67-64-1	6210 mg/L (Fathead minnow)	N/Av	None.		
Carbon dioxide	124-38-9	N/Ap	N/Ap	N/Ap		
Heptane, branched, cyclic and linear	426260-76-6	5.738 mg/L (Rainbow trout) (Read-across)	1.284 mg/L/28-day (Rainbow trout)	None.		

<u>Ingredients</u>	CAS No	Tox					
		EC50 / 48h	NOEC / 21 day	M Factor			
Acetone	67-64-1	15 800 mg/L (Daphnia magna)	1660 mg/L	None.			
Carbon dioxide	124-38-9	N/Ap	N/Ap	N/Ap			
Heptane, branched, cyclic and linear	426260-76-6	0.2 mg/L Chaetogammarus marinus (Water flea) (Read-across)	0.06 - 0.23 mg/L	1			

<u>Ingredients</u>	CAS No	То	xicity to Algae			
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
Acetone	67-64-1	7000 mg/L/96hr (Green algae)	N/Av	None.		
Carbon dioxide	124-38-9	N/Ap	N/Ap	N/Ap		
Heptane, branched, cyclic and linear	426260-76-6	4.338 mg/L/72hr (Green algae) (Read-across)	0.97 mg/L/72hr	None.		

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Persistence and degradability

: The product itself has not been tested.

The following ingredients are considered to be readily biodegradable: Heptane; Acetone.

**Bioaccumulation potential** 

: The product itself has not been tested. See the following data for ingredient information.

<u>Components</u>	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Acetone (CAS 67-64-1)	0.24	0.65 (Fish)
Heptane, branched, cyclic and linear (CAS 426260-76-6)	4.66 (Read-across)	2000 (Read-across)

Mobility in soil

: The product itself has not been tested.

### Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

# SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal :

: 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 in accordance with local regulations.

**Methods of Disposal** 

: Dispose of in accordance with federal, provincial and local hazardous waste laws.

## SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN1950	AEROSOLS	2.1	none	2
TDG Additional information		as LIMITED QUANTITY when transported in containers no lar ss. Under the TDG, refer to Section 1.17 for additional exempti			

Special precautions for user

: Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame. - No smoking.

**Environmental hazards** 

This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

## **SECTION 15 - REGULATORY INFORMATION**

### **Canadian Information:**

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian National Pollutant Release Inventory (NPRI): This product does not contain any substances listed on the NPRI.

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

## **US Federal Information:**

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

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## **International Information:**

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS#	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Acetone	67-64-1	200-662-2	Present	Present	(2)-542	KE-29367	Present	HSR001070
Carbon dioxide	124-38-9	204-696-9	Present	Present	(1)-310; (1)-169	KE-04683	Present	HSR001018
Heptane, branched, cyclic and linear	426260-76-6	205-563-8 (Heptane)	Present	Present	(2)-7 (Heptane)	KE-18271	Present	HSR001164

### SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists

AICS: Australian Inventory of Chemical Substances

CAS: Chemical Abstract Services
CSA: Canadian Standards Association
EC50: Effective Concentration 50%

EINECS: European Inventory of Existing Commercial chemical Substances

ENCS: Existing and New Chemical Substances HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IBC: Intermediate Bulk Container

IECSC: Inventory of Existing Chemical Substances IMDG: International Maritime Dangerous Goods

IOC: Inventory of Chemicals

KECI: Korean Existing Chemicals Inventory KECL: Korean Existing Chemicals List

LC: Lethal Concentration LD: Lethal Dose N/Ap: Not Applicable N/Av: Not Available

NIOSH: National Institute of Occupational Safety and Health

NOEC: No observable effect concentration NTP: National Toxicology Program

OECD: Organisation for Economic Co-operation and Development

OSHA: Occupational Safety and Health Administration

PEL: Permissible exposure limit

PICCS: Philippine Inventory of Chemicals and Chemical Substances

RTECS: Registry of Toxic Effects of Chemical Substances

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values TSCA: Toxic Substance Control Act TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

### References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2017.
  - 2. International Agency for Research on Cancer Monographs, searched 2017.
  - Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017 (Chempendium, HSDB and RTECs).
  - 4. Material Safety Data Sheets from manufacturer.
  - 5. OECD The Global Portal to Information on Chemical Substances eChemPortal, 2017.

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## Other special considerations for handling

: Provide adequate information, instruction and training for operators.

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## Prepared for:

Blumenthal Brands Integrated, LLC 600 Radiator Rd Indian Trail. NC 28079

Telephone: (704) 821-7643 (Mon. - Fri., 8 AM - 5 PM) Please direct all enquiries to Blumenthal Brands, LLC

## Prepared by:

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