

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name: PARTS CLEANER

Other means of identification

Common Name: 1302
UN/ID No UN1950
Synonyms None
Product Categories Aerosol Solvent Based Cleaner

Recommended use of the chemical and restrictions on use

Sale and Use Restrictions Not applicable
Recommended Use Restricted to professional users.
Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address
 ACEL, LLC.
 6826 Hill Park Dr. Suite #100
 Lorton, VA 22079

Emergency telephone number

Company Phone Number ACEL, LLC. (888) 801-2507
Emergency Telephone CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2 Effects on or via lactation
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable aerosols	Category 2

Label elements

Emergency Overview

Warning

Hazard statements

Causes skin irritation
 Causes severe eye irritation
 Suspected of damaging fertility or the unborn child
 May cause harm to breast-fed children
 May cause respiratory irritation. May cause drowsiness or dizziness
 May cause damage to organs through prolonged or repeated exposure
 Flammable aerosol
 Pressurized container: May burst if heated



Appearance Mobile liquid, Compressed gas

Physical state Aerosol

Odor Solvent, Acetone

Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Do not breathe dust/fume/gas/mist/vapors/spray
- Avoid contact during pregnancy/while nursing
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Wear eye/face protection
- Use only outdoors or in a well-ventilated area
- 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

Precautionary Statements - Response

- If exposed or concerned: Get medical advice/attention
- Call a POISON CONTROL CENTER or doctor/physician if you feel unwell
- Specific treatment (see response statements below and Section 4 of the Safety Data Sheet)

- 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 ON SKIN: Wash with plenty of soap and water
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before reuse
- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

- Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

- May be harmful if swallowed
- Harmful to aquatic life with long lasting effects
- 10.75 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	Trade Secret
Acetone	67-64-1	70-85	*
Carbon Dioxide	124-38-9	10-30	*
Toluene	108-88-3	5-10	*
Methyl Alcohol	67-56-1	0-1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General advice	If exposed or concerned: Get medical advice/attention. IF exposed or if you feel unwell: Call a POISON CONTROL CENTER or doctor/physician.
Skin contact	Remove contaminated clothing. Wash exposed skin with soap and water. If irritation occurs, seek medical attention. Wash contaminated clothing before reuse.
Inhalation	Move to fresh air. Keep at rest position comfortable for breathing. Call a POISON CONTROL CENTER or doctor/physician if you feel unwell.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists seek medical attention/advice.
Ingestion	Do not induce vomiting. Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with head facing down. Call for emergency services immediately.

Most important symptoms and effects, both acute and delayed

Symptoms	Drowsiness, Dizziness, Respiratory irritation (nose, throat, airways); Coughing and/or wheezing; Eye irritation, Skin irritation.
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Indication of any immediate medical attention and special treatment needed

Self-protection of the first aider	Avoid breathing vapors or mists. Avoid contact with skin.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use dry chemical, CO₂, water spray (fog) or alcohol resistant foam.

Small Fire	Dry chemical or CO ₂ .
Large Fire	Alcohol resistant foam, Water spray or fog.
Explosive properties:	Pressurized container: May burst if heated. Risk of explosion if heated under confinement.

Specific hazards arising from the chemical

Flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture, often with violent force. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Vapors may cause flash fire or explosion. Will be easily ignited by heat, sparks or flames. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. Sealed containers may rupture when heated.

Hazardous combustion products Carbon monoxide, Carbon dioxide (CO₂), Hydrocarbons, Formaldehyde, Formic acid.

Specific methods:

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Yes. May be ignited by heat, sparks or flames.

Special firefighting procedures:

FLAMMABLE AEROSOL. Wear full protective equipment including self contained breathing apparatus in a fire involving this material. Cool cans with water spray. If gas exiting can ignites, stop flow of gas. Do not put out fire unless leak can be stopped. Self-contained breathing apparatus (SCBA) is required if containers rupture and contents are released under fire conditions.

Component	ACGIH - test
Acetone	50
67-64-1 (70-85)	
Toluene	0.02
108-88-3 (5-10)	0.03
	0.3
Methyl Alcohol	15
67-56-1 (0-1)	

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Remove all sources of ignition. Pay attention to flashback. Use spark-proof tools and explosion-proof equipment. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment. Avoid contact with skin, eyes and clothing.

For emergency responders Use personal protection recommended in Section 8. Remove all sources of ignition. Pay attention to flashback. Ventilate the area.

Environmental precautions

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Water runoff can cause environmental damage. Avoid subsoil penetration.

Methods and material for containment and cleaning up

Methods for Containment Stop leak if you can do it without risk. Remove all sources of ignition. Ventilate the area. Use non-sparking tools.

Methods for clean-up: Clean-up methods - small spillage: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a chemical waste container for later disposal. Large spills present a vapor explosion and liquid fire hazard; evacuate area and ensure response by personnel trained and equipped to respond to flammable material incident or off-site emergency responders or fire department.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Protect against physical damage. Store between 40 and 120 °F. Avoid all possible sources of ignition (spark or flame). Store away from incompatible materials (See section 7 or 10 of the SDS). Store in a cool, well ventilated area. Static ignition hazard can result from handling and use. Electrically bond and ground all metal containers, personnel and equipment before transfer or use of material. Do not store in the passenger compartment of an automobile.

Conditions for safe storage, including any incompatibilities

Technical measures/precautions: Ventilation - Local (Mechanical if used indoors on a continuous basis). Eye wash and safety shower should be easily accessible.

Materials to avoid: Chlorine, strong oxidizing agents, strong acids and alkalis, Chlorinated compounds, Lead perchlorate, Phosphorous trioxide Chromic anhydride, Perchloric acid/ethanol, Iodine, Sodium or Potassium hydroxide and chloroform, Sulfuric acid, Nitric acid, Mercuric oxide and Ethanol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

Components	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ TWA: 750 ppm TWA: 1800 mg/m ³	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³
Carbon Dioxide 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m ³ TWA: 10000 ppm TWA: 18000 mg/m ³	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm TWA: 100 ppm TWA: 375 mg/m ³	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³
Methyl Alcohol 67-56-1	S* STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 260 mg/m ³	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³

Appropriate engineering controls

Engineering measures: Provide sufficient mechanical ventilation. Eye wash and safety shower should be easily accessible.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use. Wear chemical resistant gloves (consult your safety equipment supplier). Additional body garments such as chemically resistant suit, boots and face shield should be used based upon task being performed.

Respiratory protection Respiratory protection is not required under normal conditions of use. If workplace exposure limit(s) of product or any component is exceeded, a NIOSH-approved air purifying respirator used in accordance with the OSHA Respiratory Protection Standard [29 CFR 1910.134] is recommended in the absence of adequate ventilation during normal use (see your industrial hygienist). Emergency response/release cleanup may require additional respiratory protection, including SCBAs. Administrative or engineering controls should be implemented to reduce exposure.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Avoid contact with eyes, skin and clothing. Use personal protective equipment. Wear suitable gloves and eye/face protection. Avoid breathing vapors or mists. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Aerosol	Odor	Solvent, Acetone
Appearance	Mobile liquid, Compressed gas	Odor threshold	No information available
Color	Colorless to Light yellow, (liquid portion)		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	N/A	Not applicable
Melting point/freezing point	-95 °C / -139 °F	
Boiling point / boiling range	56 °C / 133 °F	(Lowest component)
Flash point	-18 °C / -0.4 °F	(Based on liquid components)
Evaporation rate		Slower than ether
Flammability (solid, gas)	No information available	
Flammability Limits in Air		(Based on lowest component)
Upper flammability limits	12.8%	
Lower flammability limit	2.0 %	
Vapor pressure	586-689 kPa	@ 21 °C
Vapor density	Heavier than air	
Specific Gravity	0.81	@ 20° C
Water solubility	Slightly soluble	
Solubility in other solvents	No Data Available	
Partition coefficient	-0.24	Based on data provided
Autoignition temperature	465 °C / 869 °F	(Lowest component)
Decomposition temperature	No Data Available	
Kinematic viscosity	0.417 mm ² /s	
Dynamic viscosity	0.33 mPa s	
Explosive properties	No Data Available	
Oxidizing properties	No Data Available	

Other information

Softening point	No Data Available	
Molecular weight	No Data Available	
VOC Content (%)	9.2	Contains California VOC exempt solvent
Density	0.81 g/cc	
Bulk density	No Data Available	

10. STABILITY AND REACTIVITY

Reactivity

Reactivity Stable under normal conditions

Chemical stability

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks. Temperatures above 120 °C. Keep away from direct sunlight.

Incompatible materials

Materials to avoid:

Chlorine, strong oxidizing agents, strong acids and alkalis, Chlorinated compounds, Lead perchlorate, Phosphorous trioxide Chromic anhydride, Perchloric acid/ethanol, Iodine, Sodium or Potassium hydroxide and chloroform, Sulfuric acid, Nitric acid, Mercuric oxide and Ethanol.

Hazardous Decomposition Products

Hazardous Decomposition Products Carbon monoxide, Carbon dioxide (CO₂), Hydrocarbons, Formaldehyde, Formic acid.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Causes skin irritation. Causes severe eye irritation. Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or

repeated exposure.

Inhalation	Avoid breathing vapors or mists: May cause irritation of respiratory tract. Propellant is a simple asphyxiant.
Eye contact	Avoid contact with eyes. Causes severe eye irritation. Inhalation, ingestion, or skin absorption of methanol can cause blindness.
Skin Contact	Causes skin irritation. Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion	May cause additional effects as listed under "Inhalation". Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	=5800 mg/kg (Rat)	=7426 mg/kg (Guinea pig)	= 50100 mg/m ³ (Rat) 8 h
Carbon Dioxide 124-38-9	-	-	-
Toluene 108-88-3	= 636 mg/kg (Rat)	= 8390 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h > 26700 ppm (Rat) 1 h
Methyl Alcohol 67-56-1	= 5628 mg/kg (Rat)	-	= 83.2 mg/L (Rat) 4 h

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Not expected to cause skin sensitization. Not classified as a respiratory sensitizer.
Mutagenic effects:	No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product contains Toluene which is IARC Category 3, not classifiable as carcinogenic.

Components	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3		Group 3 (not classified)		

Reproductive toxicity	Product is or contains a chemical or chemicals which is/are (a) known or suspected reproductive hazard(s): Toluene (CAS#108-88-3). May impair fertility. May cause harm to the unborn child. May cause harm to breastfed babies.
STOT - single exposure	This product is classified as STOT single exposure Category 3: May cause respiratory tract irritation. May cause drowsiness or dizziness.
STOT - repeated exposure	Category 2. May cause disorder and damage to the: Eyes, Central nervous system; Reproductive System, Respiratory system, Liver, Kidney.
Chronic toxicity	Prolonged exposure may cause chronic effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged exposure may cause central nervous system damage. Prolonged or repeated contact can cause moderate irritation, defatting and dermatitis. May cause adverse liver effects. May cause adverse kidney effects. May cause harm to the unborn child. May cause harm to breast-fed children.
Target Organ Effects	Liver, Kidney, Central nervous system, Bladder, Brain.
Neurological effects	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system.
Other adverse effects	Experiments have shown reproductive toxicity effects in male and female laboratory animals.
Aspiration hazard	Risk of serious damage to the lungs (by aspiration).

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	10.75 % of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .	
ATEmix (oral)	4646 mg/kg
ATEmix (dermal)	25486 mg/kg
ATEmix (inhalation-dust/mist)	56.3 mg/l
ATEmix (inhalation-vapor)	155 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chronic Aquatic Toxicity: Harmful to aquatic life with long lasting effects.

10.75 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetone 67-64-1		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50		10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
Toluene 108-88-3	12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 433: 96 h Pseudokirchneriella subcapitata mg/L EC50	11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static 12.6: 96 h Pimephales promelas mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 54: 96 h Oryzias latipes mg/L LC50 static		5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50
Methyl Alcohol 67-56-1		13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static		

Persistence and degradability

No information available.

Bioaccumulation

Bioaccumulative potential.

Mobility

No information available.

Components	Partition coefficient
Acetone 67-64-1	-0.24
Methyl Alcohol 67-56-1	-0.77

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT

UN/ID No UN1950
Proper Shipping Name: Aerosol: Flammable
Hazard Class 2.1
Packing Group: N/A
Emergency Response Guide Number 126

IATA

UN/ID No UN1950
Proper Shipping Name: Aerosol: Flammable
Hazard Class 2.1
Packing Group: N/A

IMDG

UN/ID No UN1950
Proper Shipping Name: Aerosols
Hazard Class 2
Packing Group: N/A

Limited quantity (LQ) <1 Liter

15. REGULATORY INFORMATION

International Inventories**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Components	CAS Number	Weight %	SARA 313 - Threshold Values %
Toluene 108-88-3	108-88-3	5-10	1.0 % de minimis concentration
Methyl Alcohol 67-56-1	67-56-1	0-1	1.0 % de minimis concentration

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard Yes
Fire hazard Yes

Sudden release of pressure hazard Yes
 Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Components	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Toluene 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
Methyl Alcohol 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

State Regulations (RTK)

California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Rating

Health hazards 2

Flammability -

Instability 0

Physical and Chemical Properties NFPA Level 2 aerosol

HMIS Rating

Health hazards 2*

Flammability 3

Physical hazards 1

Personal protection B, Flammability classification is under HMIS III

Chronic Hazard Star Legend

* = Chronic Health Hazard

Prepared by

Environmental Health and Safety Department

Issue Date

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Revision Note

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet