

# SAFETY DATA SHEET



## CYCLO® CHLORINATED BRAKE PARTS CLEANER

Version 1.0      Revision Date: 12/10/2019      SDS Number: 600000002003      Date of last issue: -  
Date of first issue: 12/10/2019

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### SECTION 1. IDENTIFICATION

Product name : CYCLO BPC CHLOR 12/18OZ  
Product code : C32

#### Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC  
Address : Dallas TX 75225  
Email Address : EHS@niteoproducts.com  
Telephone : 1-844-696-4836  
Emergency telephone number : 1-800-424-9300 / 1-703-741-5970

#### Recommended use of the chemical and restrictions on use

Recommended use : BRAKE PARTS CLEANER  
Restrictions on use : Use only outdoors or in a well-ventilated area.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Inhalation) : Category 4  
Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitisation : Category 1  
Carcinogenicity : Category 1B  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

#### GHS label elements

Hazard pictograms :

Signal word : Danger

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**Hazard statements** : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful if inhaled.  
May cause drowsiness or dizziness.  
May cause cancer.

**Precautionary statements** : **Prevention:**  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor 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 exposed or concerned: Get medical advice/ attention.  
If skin irritation or rash occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.

**Storage:**  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**  
None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Tetrachloroethylene	127-18-4	>= 90 - < 100
Carbon dioxide	124-38-9	>= 1 - < 5
Carbon tetrachloride	56-23-5	>= 0.1 - < 0.45

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Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### SECTION 4. FIRST AID MEASURES

- |   |   |   |
|---|---|---|
| General advice  | : | Move out of dangerous area.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.  |
| If inhaled  | : | Move to fresh air.<br>Call a physician or poison control centre immediately.<br>If unconscious, place in recovery position and seek medical advice.<br>Keep patient warm and at rest.<br>If symptoms persist, call a physician.                     |
| In case of skin contact                                     | : | If on clothes, remove clothes.<br>Remove contaminated clothing. If irritation develops, get medical attention.<br>If on skin, rinse well with water.<br>Wash contaminated clothing before re-use.<br>If skin irritation persists, call a physician. |
| In case of eye contact                                      | : | Immediately flush eye(s) with plenty of water.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.   |
| If swallowed  | : | Obtain medical attention.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.   |
| Most important symptoms and effects, both acute and delayed | : | Causes skin irritation.<br>May cause an allergic skin reaction.<br>Causes serious eye irritation.<br>Harmful if inhaled.<br>May cause drowsiness or dizziness.<br>May cause cancer.   |

### SECTION 5. FIREFIGHTING MEASURES

- |                                       |   |   |
|---------------------------------------|---|---|
| Suitable extinguishing media          | : | Water spray   |
| Unsuitable extinguishing media        | : | High volume water jet   |
| Specific hazards during fire-fighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products         | : | Chlorine<br>Carbon oxides<br>Hydrogen Chloride                            |

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Phosgene

- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Avoid breathing dust.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- 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.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
Do not breathe vapours/dust.  
Do not smoke.  
Avoid contact with skin and eyes.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Dispose of rinse water in accordance with local and national regulations.  
Container hazardous when empty.  
Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.
- Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
Keep container tightly closed in a dry and well-ventilated place.

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Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Observe label precautions.

Further information on storage stability : No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis		
Tetrachloroethylene	127-18-4	TWA	25 ppm	ACGIH		
		STEL	100 ppm	ACGIH		
		TWA	100 ppm	OSHA Z-2		
		CEIL	200 ppm	OSHA Z-2		
		Peak	300 ppm (5 mins. in any 3 hrs.)	OSHA Z-2		
Carbon dioxide	124-38-9	TWA	25 ppm 170 mg/m <sup>3</sup>	OSHA P0		
		TWA	5,000 ppm	ACGIH		
		STEL	30,000 ppm	ACGIH		
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	NIOSH REL		
		ST	30,000 ppm 54,000 mg/m <sup>3</sup>	NIOSH REL		
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	OSHA Z-1		
		TWA	10,000 ppm 18,000 mg/m <sup>3</sup>	OSHA P0		
		STEL	30,000 ppm 54,000 mg/m <sup>3</sup>	OSHA P0		
		Carbon tetrachloride	56-23-5	TWA	5 ppm	ACGIH
				STEL	10 ppm	ACGIH
ST	2 ppm 12.6 mg/m <sup>3</sup>			NIOSH REL		
TWA	10 ppm			OSHA Z-2		
CEIL	25 ppm			OSHA Z-2		
Peak	200 ppm (5 mins. in any 4 hrs.)			OSHA Z-2		
TWA	2 ppm 12.6 mg/m <sup>3</sup>			OSHA P0		

#### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Tetrachloroethylene	127-18-4	Tetrachloroethylene	In end-exhaled	Prior to shift (16	3 parts per million	ACGIH BEI

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			air	hours after exposure ceases)		
		Tetrachloroethylene	In blood	Prior to shift (16 hours after exposure ceases)	0.5 mg/l	ACGIH BEI

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Personal protective equipment**

**Respiratory protection** : In the case of vapour formation use a respirator with an approved filter.  
 In the case of dust or aerosol formation use respirator with an approved filter.

**Hand protection**

**Remarks** : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be discussed with the producers of the protective gloves. Discard gloves that show tears, pinholes, or signs of wear.

**Eye protection** : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**Skin and body protection** : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Wear as appropriate:  
 Impervious clothing  
 Safety shoes

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice.  
 When using do not smoke.  
 When using do not eat or drink.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : aerosol  
**Colour** : not determined  
**Odour** : not determined  
**Odour Threshold** : not determined  
**pH** : not determined

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Melting point/freezing point : not determined

Boiling point/boiling range : not determined

Flash point : Not classified as a flammability hazard

Evaporation rate : not determined

Flammability (solid, gas) : No data available

Self-ignition : not determined

Upper explosion limit / Upper flammability limit : not determined

Lower explosion limit / Lower flammability limit : not determined

Vapour pressure : not determined

Relative vapour density : not determined

Density : not determined

Solubility(ies)  
Water solubility : not determined

Partition coefficient: n-octanol/water : not determined

Decomposition temperature : not determined

Viscosity  
Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Molecular weight : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Hazardous polymerisation does not occur.

Conditions to avoid : No data available

Incompatible materials : Acids  
Bases  
Oxygen

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Strong oxidizing agents  
Peroxides  
reactive metals such as aluminum and magnesium

Hazardous decomposition products : Carbon oxides  
Phosgene  
Chlorine  
Hydrogen Chloride

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

#### Acute toxicity

Harmful if inhaled.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 2,712 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 1.52 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

#### Components:

##### **Tetrachloroethylene:**

Acute oral toxicity : LD50 (Rat, male): 3,835 mg/kg  
LD50 (Rat, female): 3,005 mg/kg

Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 (Rabbit): > 3,228 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

##### **Carbon tetrachloride:**

Acute oral toxicity : Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity : Assessment: The component/mixture is toxic after short term inhalation.

Acute dermal toxicity : Assessment: The component/mixture is minimally toxic after single contact with skin.



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**Skin corrosion/irritation**

Causes skin irritation.

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:**

**Tetrachloroethylene:**

Result: Irritating to skin.

**Carbon dioxide:**

Assessment: No skin irritation

Result: No skin irritation

**Carbon tetrachloride:**

Species: Rabbit

Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:**

**Tetrachloroethylene:**

Result: Irritating to eyes.

**Carbon dioxide:**

Result: No eye irritation

**Carbon tetrachloride:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

**Respiratory or skin sensitisation**

**Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

**Product:**

Remarks: May cause allergic skin reaction.

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### Components:

#### **Tetrachloroethylene:**

Exposure routes: Dermal  
Species: Mouse  
Assessment: May cause sensitisation by skin contact.  
Method: OECD Test Guideline 429  
GLP: yes

#### **Carbon tetrachloride:**

Method: OECD Test Guideline 429  
Result: The product is a skin sensitiser, sub-category 1B.

#### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

#### **Tetrachloroethylene:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative

Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Result: negative

Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

#### **Carcinogenicity**

May cause cancer.

### Components:

#### **Tetrachloroethylene:**

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

#### **Carbon tetrachloride:**

Carcinogenicity - Assessment : Possible human carcinogen

#### **IARC**

Group 2A: Probably carcinogenic to humans

Tetrachloroethylene      127-18-4

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Group 2B: Possibly carcinogenic to humans

Carbon tetrachloride      56-23-5

### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

### NTP

Reasonably anticipated to be a human carcinogen

Tetrachloroethylene      127-18-4

Carbon tetrachloride      56-23-5

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

May cause drowsiness or dizziness.

### Components:

#### **Tetrachloroethylene:**

Exposure routes: inhalation (vapour)  
Target Organs: Central nervous system  
Assessment: May cause drowsiness or dizziness.

#### **Carbon tetrachloride:**

Exposure routes: Inhalation  
Target Organs: Central nervous system  
Assessment: May cause drowsiness or dizziness.

### STOT - repeated exposure

Not classified based on available information.

### Components:

#### **Carbon tetrachloride:**

Target Organs: Kidney, Liver  
Assessment: Causes damage to organs through prolonged or repeated exposure.

### Aspiration toxicity

Not classified based on available information.

### Further information

### Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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### SECTION 12. ECOLOGICAL INFORMATION

#### Toxicity

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

### SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

#### International Regulations

##### IATA-DGR

UN/ID No. : UN 1950  
Proper shipping name : Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III  
Class : 2.2  
Subsidiary risk : 6.1  
Packing group : Not assigned by regulation  
Labels : 2.2 (6.1)  
Packing instruction (cargo aircraft) : 203  
Packing instruction (passenger aircraft) : 203

##### IMDG-Code

UN number : UN 1950  
Proper shipping name : AEROSOLS  
Class : 2.2  
Subsidiary risk : 6.1  
Packing group : Not assigned by regulation  
Labels : 2.2 (6.1)  
EmS Code : F-D, S-U  
Marine pollutant : no

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

Not applicable for product as supplied.

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## National Regulations

### 49 CFR

UN/ID/NA number : UN 1950  
Proper shipping name : AEROSOLS

Class : 2.2  
Packing group : Not assigned by regulation  
Labels : 2.2  
ERG Code : 126  
Marine pollutant : no

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Tetrachloroethylene	127-18-4	100	102
Tetrachloroethylene	127-18-4	100	100 (D039)
Tetrachloroethylene	127-18-4	10	10 (F001)
Carbon tetrachloride	56-23-5	10	10 (F001)
Tetrachloroethylene	127-18-4	10	10 (F002)
Carbon tetrachloride	56-23-5	10	10 (D019)

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitisation  
Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Tetrachloroethylene	127-18-4	>= 90 - <= 100 %
Carbon tetrachloride	56-23-5	>= 0.1 - < 0.45 %

## International Regulations

Montreal Protocol (Ozone Depleting Substances) : Carbon tetrachloride

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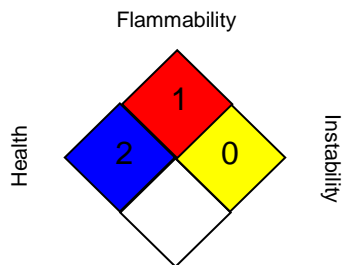
### California Prop. 65

WARNING: This product can expose you to chemicals including Tetrachloroethylene, Carbon tetrachloride, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



Special hazard.

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The information provided in this 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.

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