

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

### Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** C111  
**Product Name:** Brake & Parts Clean, Non-Chlorinated
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- |                          |                                                                       |                      |               |
|--------------------------|-----------------------------------------------------------------------|----------------------|---------------|
| <b>Company Name:</b>     | CYCLO INDUSTRIES, INC.<br>902 SOUTH US HIGHWAY 1<br>JUPITER, FL 33477 | <b>Phone Number:</b> | (800)843-7813 |
| <b>Web site address:</b> | www.cyclo.com                                                         |                      |               |
| <b>Information:</b>      | First Aid Emergency (Outside U.S.)                                    |                      | (312)906-6194 |
- 1.4 Emergency telephone number:**
- |                           |                         |               |
|---------------------------|-------------------------|---------------|
| <b>Emergency Contact:</b> | First Aid Emergency     | (800)752-7869 |
|                           | CHEMTREC (703) 527-3887 | (800)424-9300 |

### Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:**  
Flammable Liquids, Category 2  
Skin Corrosion/Irritation, Category 2  
Serious Eye Damage/Eye Irritation, Category 2A  
Toxic To Reproduction, Category 2  
Target Organ Systemic Toxicity (single exposure), Category 3  
Target Organ Systemic Toxicity (repeated exposure), Category 2  
Aspiration Toxicity, Category 1
- 2.1.2 Classification according to Directive 1999/45/EC:**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**

**GHS Signal Word:** Danger**GHS Hazard Phrases:**

H225: Highly flammable liquid and vapor.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H361: Suspected of damaging fertility or the unborn child.  
H335: May cause respiratory irritation.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H304: May be fatal if swallowed and enters airways.  
H280: Contents under pressure. May explode if heated.

**GHS Precaution Phrases:**

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.  
P280: Wear protective gloves/clothing and eye/face protection.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting equipment.  
P264: Wash hands thoroughly after handling.  
P362+364: Take off contaminated clothing and wash it before reuse.  
P271: Use only outdoors or in a well-ventilated area.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P273: Avoid release to the environment.

### GHS Response Phrases:

P370+378: In case of fire, use foam, alcohol foam, carbon dioxide, dry chemical or water fog for extinction.

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

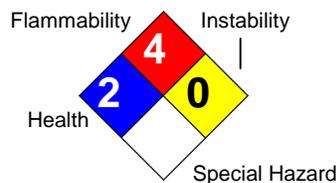
### GHS Storage and Disposal Phrases:

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

P403+233: Store container tightly closed in well-ventilated place.

## 2.2.2 Labeling according to Directive 1999/45/EC:

### Hazard Rating System:



**2.3 Adverse Human Health** Inhalation Health Risks & Symptoms of Exposure: Respiratory irritation, headache, **Effects and Symptoms:** nausea, drowsiness, impaired coordination, possible unconsciousness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Skin and Eye Contact Health Risks & Symptoms of Exposure: Contact may dry the skin; prolonged contact may cause irritation. Liquid or vapor can cause severe eye irritation, redness, tearing and blurred vision; prolonged exposure may lead to corneal damage.

Skin Absorption Health Risks & Symptoms of Exposure: May be absorbed. Solvent action can dry & defat the skin causing the skin to crack, leading to dermatitis.

Ingestion Health Risks & Symptoms of Exposure: Can cause gastro-intestinal irritation, vomiting, diarrhea and death.

**Medical Conditions** Acute & chronic liver & kidney disease, anemia.  
**Generally Aggravated**  
**By Exposure:**

## Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
108-88-3	Toluene	30.0 -40.0 %	203-625-9 601-021-00-3	F; Xn; R11-38-48/20-63-65-67 Flam. Liq. 2: H225 Asp. Toxic. 1: H304 Skin Corr. 2: H315 TOST (SE) 3: H335 H336 Toxic Repro. 2: H361 TOST (RE) 2: H373
142-82-5	Heptane	30.0 -40.0 %	205-563-8 601-008-00-2	F; Xn; N; R11-38-50/53-65-67 Flam. Liq. 2: H225 Asp. Toxic. 1: H304



**Brake & Parts Clean, Non-Chlorinated**

Revision: 08/22/2014

Supersedes Revision: 04/17/2013

Skin Corr. 2: H315  
TOST (SE) 3: H335 H336  
Aquatic (A) 1: H400  
Aquatic (C) 1: H410

67-64-1	Acetone	20.0 -30.0 %	200-662-2 606-001-00-8	F; Xi; R11-36-66-67 Flam. Liq. 2: H225 Eye Damage 2A: H319 TOST (SE) 3: H335 H336
124-38-9	Carbon dioxide	5.0 -15.0 %	204-696-9 NA	No phrases apply. No data available.

**Section 4. First Aid Measures**

**4.1 Description of First Aid Measures:** If swallowed, do not induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If in eyes, rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing. If breathing is difficult give oxygen. In case of skin contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes, and launder before reuse. Call physician immediately if adverse reaction occurs.

**Section 5. Fire Fighting Measures**

**5.1 Suitable Extinguishing Media:** Foam, alcohol foam, carbon dioxide, dry chemical, water fog.

**5.2 Flammable Properties and Hazards:** Water may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited.

**Flammability Classification:** NFPA Level 3 Aerosol

**Flash Pt:** 1.00 F (-17.2 C) Method Used: TAG Closed Cup

**Explosive Limits:** LEL: 1.2 UEL: 13

**Autoignition Pt:** No data.

**5.3 Fire Fighting Instructions:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Vapor may cause flash fire.

**Section 6. Accidental Release Measures**

**6.3 Methods and Material For Containment and Cleaning Up:** Wear appropriate protective clothing and equipment to prevent skin and eye contact. Contain any liquid from leaking containers. Remove sources of ignition; heat, sparks and open flames. Wear proper protective equipment as specified in the protective equipment section. Leaking containers should be removed to an isolated, well ventilated area and transferred to other suitable containers. Do not puncture or incinerate container. Contents under pressure. Wipe, scrape or soak up in an inert material and put in a container intended for flammable materials for disposal. Do not allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.



## Brake &amp; Parts Clean, Non-Chlorinated

Revision: 08/22/2014

Supersedes Revision: 04/17/2013

## Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Keep away from heat/sparks/open flames/hot surfaces - No smoking. Wear protective gloves/clothing and eye/face protection. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Do not puncture, incinerate or store above 120 degrees F. Exposure to high temperatures may cause bursting. Do not store in the passenger compartment of an automobile.

## Section 8. Exposure Controls/Personal Protection

## 8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
108-88-3	Toluene	TWA: 191 mg/m <sup>3</sup> (50 ppm) STEL: 384 mg/m <sup>3</sup> (100 ppm)	TWA: 192 mg/m <sup>3</sup> (50 ppm) STEL: 384 mg/m <sup>3</sup> (100 ppm)	TWA: 192 mg/m <sup>3</sup> STEL: 384 mg/m <sup>3</sup>
142-82-5	Heptane	TWA: 2085 mg/m <sup>3</sup> (500 ppm) STEL: ()	TWA: 1668 mg/m <sup>3</sup> (400 ppm) STEL: 2085 mg/m <sup>3</sup> (500 ppm)	TWA: 2085. mg/m <sup>3</sup>
67-64-1	Acetone	TWA: 1210 mg/m <sup>3</sup> (500 ppm) STEL: 3620 mg/m <sup>3</sup> (1500 ppm)	TWA: 1210 mg/m <sup>3</sup> (500 ppm) STEL: 2420 mg/m <sup>3</sup> (1000 ppm)	TWA: 1210 mg/m <sup>3</sup>
124-38-9	Carbon dioxide	TWA: 9150 mg/m <sup>3</sup> (5000 ppm) STEL: 27400 mg/m <sup>3</sup> (15000 ppm)	TWA: 9000 mg/m <sup>3</sup> (5000 ppm)	TWA: 9000 mg/m <sup>3</sup>
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
108-88-3	Toluene	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 50 ppm	No data.
142-82-5	Heptane	PEL: 500 ppm	TLV: 400 ppm	No data.
67-64-1	Acetone	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
124-38-9	Carbon dioxide	PEL: 5000 ppm	TLV: 5000 ppm STEL: 30,000 ppm	No data.

## 8.2 Exposure Controls:

**8.2.1 Engineering Controls (Ventilation etc.):** Local exhaust ventilation as necessary to maintain exposures within applicable limits.

## 8.2.2 Personal protection equipment:

**Eye Protection:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Protective Gloves:** Solvent resistant required for prolonged or repeated contact.

**Other Protective Clothing:** Use of solvent resistant aprons or other clothing recommended.

**Respiratory Equipment (Specify Type):** Use in a well ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Do not breathe vapor or mist.



## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Colorless to pale yellow liquid. Mild odor.
<b>pH:</b>	NP
<b>Melting Point:</b>	No data.
<b>Boiling Point:</b>	133.00 F (56.1 C) - 231.00 F (110.6 C)
<b>Flash Pt:</b>	1.00 F (-17.2 C) Method Used: TAG Closed Cup
<b>Evaporation Rate:</b>	No data.
<b>Explosive Limits:</b>	LEL: 1.2 UEL: 13
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Specific Gravity (Water = 1):</b>	.80
<b>Solubility in Water:</b>	Slight
<b>Autoignition Pt:</b>	No data.

### 9.2 Other Information

**Percent Volatile:** 68.9 % by weight.

## Section 10. Stability and Reactivity

<b>10.1 Reactivity:</b>	No data available.
<b>10.2 Stability:</b>	Unstable [ ] Stable [ X ]
<b>10.3 Conditions To Avoid - Hazardous Reactions:</b>	No data available.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>10.4 Conditions To Avoid - Instability:</b>	Stable under normal conditions of handling, use and transportation. Keep away from heat, sparks and flame. Avoid any source of ignition. Do not expose to heat or store at temperatures above 120 degrees F.
<b>10.5 Incompatibility - Materials To Avoid:</b>	Contact with oxidizing agents, Sulfuric Acid, Nitric Acid, Chlorine compounds, strong acids, Alkalis, Potassium t-butoxide, Nitrogen Tetraoxide, Beryllium Dihydride, Magnesium, strong bases.
<b>10.6 Hazardous Decomposition Or Byproducts:</b>	Carbon monoxide. Carbon dioxide. Formaldehyde.

## Section 11. Toxicological Information

**11.1 Information on Toxicological Effects:**

No data available.

CAS# 142-82-5:

Other Studies:, TDLo, Oral, Rat, 60.00 GM/KG, 3 W.

Results:

Kidney, Ureter, Bladder: Changes in liver weight.

- National Technical Information Service, Vol/p/yr: OTS0571116,

Other Studies:, TDLo, Oral, Rat, 260.0 GM/KG, 13 W.

Results:

Kidney, Ureter, Bladder: Changes in bladder weight.

Endocrine:Hypoglycemia.

Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

- National Technical Information Service, Vol/p/yr: OTS0571116,

Other Studies:, TCLo, Inhalation, Rat, 4000. PPM, 6 D.

Results:

Brain and Coverings: Recordings from specific areas of CNS.

Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Ear: Changes in cochlear structure or function.

Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

- Pharmacology and Toxicology, Munksgaard International Pub., POB 2148, Copenhagen K Denmark, Vol/p/yr: 76,41, 1995

Other Studies:, TDLo, Intraperitoneal, Rat, 9625. MG/KG, 7 D.

Results:

Liver: Other changes.

Blood:Changes in serum composition (e.g.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Multiple enzyme effects.

- Toxicology Letters., Elsevier Science Pub. B.V., POB 211, 1000 AE, Amsterdam 1000 AE Netherlands, Vol/p/yr: 14,169, 1982

Other Studies:, TDLo, Intraperitoneal, Rat, 8840. MG/KG, 45 D.

Results:

Liver: Other changes.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:

Phosphatases.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels: Hepatic microsomal mixed oxidase (dealkylation, hydroxylation, etc.)

- JAT, Journal of Applied Toxicology., John Wiley & Sons Ltd., Baffins Lane, Chichester, W.Sussex PO19 1UD UK, Vol/p/yr: 8,81, 1988

Acute toxicity, TCLo, Inhalation, Human, 1000. PPM, 6 M.

Results:

Behavioral: Hallucinations, distorted perceptions.

- "U.S. Bureau of Mines Report of Investigation No. 2979," Patty, F.A., and W.P. Yant, 1929 Volume, Vol/p/yr: 2979,-, 1929

Acute toxicity, LC50, Inhalation, Rat, 103.0 GM/M3, 4 H.

Results:



## Brake &amp; Parts Clean, Non-Chlorinated

Revision: 08/22/2014

Supersedes Revision: 04/17/2013

Behavioral: Change in motor activity (specific assay).

Behavioral: Alteration of classical conditioning.

- Gigiena Truda i Professional'nye Zabolevaniya. (Labor Hygiene and Occupational Disease), V/O Mezhdunarodnaya Kniga, Moscow 113095 Russia, Vol/p/yr: 32(10),23, 1988

Acute toxicity, LCLO, Inhalation, Mouse, 59.00 GM/M3, 41 M.

Results:

Behavioral: Convulsions or effect on seizure threshold.

- Biochemische Zeitschrift., For publisher information, see EJBCAI, Berlin Germany, Vol/p/yr: 115,235, 1921

Acute toxicity, LD50, Intravenous, Mouse, 222.0 MG/KG.

Results:

Brain and Coverings: Changes in circulation (hemorrhage, thrombosis, etc.

Lungs, Thorax, or Respiration: Dyspnea.

Gastrointestinal: Nausea or vomiting.

- Journal of Pharmaceutical Sciences., American Pharmaceutical Assoc., 2215 Constitution Ave., NW, Washington, DC 20037, Vol/p/yr: 67,566, 1978

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
108-88-3	Toluene	n.a.	3	A4	n.a.
142-82-5	Heptane	n.a.	n.a.	n.a.	n.a.
67-64-1	Acetone	n.a.	n.a.	A4	n.a.
124-38-9	Carbon dioxide	n.a.	n.a.	n.a.	n.a.

## Section 12. Ecological Information

### 12.1 Toxicity:

CAS# 142-82-5:

Effective concentration to 50% of test organisms., Water Flea (Daphnia magna), 82500. UG/L, 96 H, Intoxication., Water temperature: 28.00 C (82.4 F) C.

Results:

No observed effect.

- Acute Toxicity of Petroleum Products, Crude Oil and Oil Refinery Effluent on Plankton, Benthic Invertebrates and Fish, Das, P.K.M.K., and S.K. Konar, 1988

LC50, Water Flea (Daphnia magna), 50.00 MG/L, 24 H, Intoxication., Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.70, Hardness: 16.00 dH.

Results:

No observed effect.

- Results of the Damaging Effect of Water Pollutants on Daphnia magna (Befunde der Schädigung Wassergefährdender Stoffe Gegen Daphnia magna), Bringmann, G., and R. Kuhn, 1977

LC50, Western Mosquitofish (Gambusia affinis), adult(s), 4924000. UG/L, 48 H, Mortality, Water temperature: 20.00 C (68.0 F) - 27.00 C (80.6 F) C, pH: 8.90.

Results:

Age Effects.

- Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957



## Brake &amp; Parts Clean, Non-Chlorinated

Revision: 08/22/2014

Supersedes Revision: 04/17/2013

LC50, Western Mosquitofish (*Gambusia affinis*), adult(s), 4924000. UG/L, 24 H, Mortality, Water temperature: 20.00 C (68.0 F) - 27.00 C (80.6 F) C, pH: 8.90.

Results:

Age Effects.

- Toxicity to *Gambusia affinis* of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

Not reported., Western Mosquitofish (*Gambusia affinis*), adult(s), 5600000. UG/L, 96 H, Mortality, Water temperature: 20.00 C (68.0 F) - 27.00 C (80.6 F) C, pH: 8.90.

Results:

No observed effect.

- Toxicity to *Gambusia affinis* of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

LC50, Western Mosquitofish (*Gambusia affinis*), adult(s), 4924000. UG/L, 96 H, Mortality, Water temperature: 20.00 C (68.0 F) - 27.00 C (80.6 F) C, pH: 8.90.

Results:

No observed effect.

- Toxicity to *Gambusia affinis* of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

Not reported., Coho Salmon, Silver Salmon (*Oncorhynchus kisutch*), 100000. UG/L, 96 H, Mortality, Water temperature: 8.00 C (46.4 F) C, pH: 8.10.

Results:

Age Effects.

- Effects of Some Components of Crude Oil on Young Coho Salmon, Morrow, J.E., R.L. Gritz, and M.P. Kirton, 1975

LC50, Mozambique Tilapia (*Oreochromis mossambicus*), 375000. UG/L, 96 H, Mortality, Water temperature: 27.80 C (82.0 F) C.

Results:

No observed effect.

- Acute Toxicity of n-Heptane and n-Hexane on Worm and Fish, Ghatak, D.B., M.M. Hossain, and S.K. Konar, 1988

LC50, Midge Family (*Chironomidae*), larva(e), 838000. UG/L, 96 H, Intoxication., Water temperature: 28.00 C (82.4 F) C, pH: 7.00, Hardness: 260.00 MG/L.

Results:

No observed effect.

- Acute Toxicity of Petroleum Products, Crude Oil and Oil Refinery Effluent on Plankton, Benthic Invertebrates and Fish, Das, P.K.M.K., and S.K. Konar, 1988

Effective concentration to 50% of test organisms., Algae (Algae), 1500. UG/L, 8 H, Physiology.

Results:

No observed effect.

- Gulf Underwater Flare Experiment (GUFEX): Effects of Hydrocarbons on Phytoplankton, Brooks, J.M., G.A. Fryxell, D.F. Reid, and W.M. Sackett, 1977

Not reported., Pacific Oyster (*Crassostrea gigas*), egg(s), 3400000. UG/L, 48 H, Mortality, Water temperature: 20.00 C (68.0 F) - 21.50 C (70.7 F) C.

Results:

No observed effect.

**Brake & Parts Clean, Non-Chlorinated**

Revision: 08/22/2014

Supersedes Revision: 04/17/2013

- The Effect of Alaskan Crude Oil and Selected Hydrocarbon Compounds on Embryonic Development of the Pacific Oyster, *Crassostrea gigas*, Legore, R.S., 1974

LC50, *Oligochaete (Branchiura sowerbyi)*, 2500000. UG/L, 96 H, Mortality, Water temperature: 27.80 C (82.0 F) C.

Results:

No observed effect.

- Acute Toxicity of n-Heptane and n-Hexane on Worm and Fish, Ghatak, D.B., M.M. Hossain, and S.K. Konar, 1988

Effective concentration to 50% of test organisms., Snail (*Viviparus bengalensis*), 472000. UG/L, 96 H, Intoxication,, Water temperature: 28.00 C (82.4 F) C.

Results:

No observed effect.

- Acute Toxicity of Petroleum Products, Crude Oil and Oil Refinery Effluent on Plankton, Benthic Invertebrates and Fish, Das, P.K.M.K., and S.K. Konar, 1988

Lethal concentration to 0% of test organisms., Carp (*Leuciscus idus ssp. melanotus*), 220.0 MG/L, 48 H, Mortality.

Results:

No observed effect.

- Results of the Investigation of 200 Chemical Compounds for Acute Fish Toxicity with the Golden Orfe Test (Ergebnisse der Untersuchung von 200 Chemischen Verbindungen auf Akute Fischtoxizität mit dem Goldorfentest), Juhnke, I., and D. Luedemann, 1978

LC50, Carp (*Leuciscus idus ssp. melanotus*), 270.0 MG/L, 48 H, Mortality.

Results:

No observed effect.

- Results of the Investigation of 200 Chemical Compounds for Acute Fish Toxicity with the Golden Orfe Test (Ergebnisse der Untersuchung von 200 Chemischen Verbindungen auf Akute Fischtoxizität mit dem Goldorfentest), Juhnke, I., and D. Luedemann, 1978

Lethal concentration to 100% of test organisms., Carp (*Leuciscus idus ssp. melanotus*), 350.0 MG/L, 48 H, Mortality.

Results:

No observed effect.

- Results of the Investigation of 200 Chemical Compounds for Acute Fish Toxicity with the Golden Orfe Test (Ergebnisse der Untersuchung von 200 Chemischen Verbindungen auf Akute Fischtoxizität mit dem Goldorfentest), Juhnke, I., and D. Luedemann, 1978

Lethal concentration to 0% of test organisms., Carp (*Leuciscus idus ssp. melanotus*), 1370. MG/L, 48 H, Mortality.

Results:

No observed effect.

- Results of the Investigation of 200 Chemical Compounds for Acute Fish Toxicity with the Golden Orfe Test (Ergebnisse der Untersuchung von 200 Chemischen Verbindungen auf Akute Fischtoxizität mit dem Goldorfentest), Juhnke, I., and D. Luedemann, 1978

LC50, Carp (*Leuciscus idus ssp. melanotus*), 2940. MG/L, 48 H, Mortality.

Results:

No observed effect.

- Results of the Investigation of 200 Chemical Compounds for Acute Fish Toxicity with the Golden Orfe Test (Ergebnisse der Untersuchung von 200 Chemischen Verbindungen

**Brake & Parts Clean, Non-Chlorinated**

Revision: 08/22/2014

Supersedes Revision: 04/17/2013

auf Akute Fischtoxizität mit dem Goldorfentest), Juhnke, I., and D. Luedemann, 1978

Lethal concentration to 100% of test organisms., Carp (*Leuciscus idus* ssp. *melanotus*), 3420. MG/L, 48 H, Mortality.

Results:

No observed effect.

- Results of the Investigation of 200 Chemical Compounds for Acute Fish Toxicity with the Golden Orfe Test (Ergebnisse der Untersuchung von 200 Chemischen Verbindungen auf Akute Fischtoxizität mit dem Goldorfentest), Juhnke, I., and D. Luedemann, 1978

**Section 13. Disposal Considerations**

**13.1 Waste Disposal Method:** Dispose of contents/container in accordance with local/regional/national/international regulation.

**Section 14. Transport Information****14.1 LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Consumer Commodity  
**DOT Hazard Class:** ORM-D ORM-D  
**UN/NA Number:**

**14.1 LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:** Aerosols, Ltd. Qty.  
**UN Number:** 1950  
**Hazard Class:** N.A. **ADR Classification:** 2

**14.2 MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Aerosols, Ltd. Qty.  
**UN Number:** 1950 **Packing Group:**  
**Hazard Class:** N.A. **IMDG Classification:** 2.1

**14.3 AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Aerosols, flammable, 2.1, Ltd Qty  
(Packing Instruction Y203 Applies)  
**UN Number:** 1950  
**Hazard Class:** N.A. **IATA Classification:** 2.1

**Section 15. Regulatory Information****EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
108-88-3	Toluene	No	Yes 1000 LB	Yes
142-82-5	Heptane	No	No	No
67-64-1	Acetone	No	Yes 5000 LB	No
124-38-9	Carbon dioxide	No	No	No

**CAS # Hazardous Components (Chemical Name)****Other US EPA or State Lists**

108-88-3	Toluene	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Inventory, 8A CAIR; CA PROP.65: Yes; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: CMR, Part 5; NC TAP: Yes; NJ EHS: Yes - 1866; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
142-82-5	Heptane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory, 4 Test, 8A PAIR; CA PROP.65: No; CA TAC, Title 8: Title 8; MA



**Brake & Parts Clean, Non-Chlorinated**

Revision: 08/22/2014

Supersedes Revision: 04/17/2013

Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1339; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

67-64-1 Acetone

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 0006; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes

124-38-9 Carbon dioxide

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0343; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes

**CAS # Hazardous Components (Chemical Name)**

**International Regulatory Lists**

108-88-3 Toluene

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

142-82-5 Heptane

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

67-64-1 Acetone

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

124-38-9 Carbon dioxide

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

**European Community Hazard Symbol codes:**

**European Community Risk and Safety Phrases:**

No data available.

**Section 16. Other Information**

**Revision Date:** 08/22/2014

**Additional Information About This Product:** Not for sale in CA, CT, DE, D.C., IL, IN, MD, ME, MA, MI, NH, NJ, NY, OH, PA, RI, UT, VA.

**Company Policy or Disclaimer:** Cyclo Industries, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Cyclo Industries, Inc. makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, Inc. will not be responsible for damages resulting from use of or reliance upon this information.