

Brake & Parts Clean, Non-Chlorinated

Revision: 08/22/2014

Supersedes Revision: 05/05/2014

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:** C111C
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:**
- | | | | |
|--------------------------|---|----------------------|---------------|
| Company Name: | CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477 | Phone Number: | (800)843-7813 |
| Web site address: | www.cyclo.com | | |
| Information: | First Aid Emergency (Outside U.S.) | | (312)906-6194 |
- 1.4 Emergency telephone number:**
- | | | |
|---------------------------|-------------------------|---------------|
| Emergency Contact: | 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.

P280: Wear protective gloves/clothing and eye/face protection as specified by the manufacturer/supplier or the competent authority.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.



SAFETY DATA SHEET

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

P273: Avoid release to the environment.

P233: Keep container tightly closed.

GHS Response Phrases:

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

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

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

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

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: Do NOT induce vomiting.

P370+378: In case of fire, use ... for extinction ... appropriate media specified by the manufacturer/supplier or the competent authority - if water increases risk.

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

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see ... on this label) ... reference to supplemental first aid instruction - if immediate administration of antidote is required.

P332+313: If skin irritation occurs, get medical advice/attention.

P362: Take off contaminated clothing and wash before re-use.

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

P337+313: If eye irritation persists, get medical advice/attention.

P308+313: IF exposed or concerned: Get medical attention/advice.

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

P314: Get medical attention/advice if you feel unwell.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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.

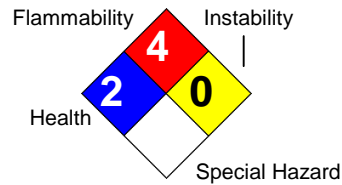
P403+235: Store in cool/well-ventilated place.

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

P405: Store locked up.

P403+233: Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.

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
67-64-1	Acetone	40.0 -50.0 %	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
108-88-3	Toluene	20.0 -30.0 %	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	10.0 -20.0 %	205-563-8 601-008-00-2	F; Xn; N; R11-38-50/53-65-67 Flam. Liq. 2: H225 Asp. Toxic. 1: H304 Skin Corr. 2: H315 TOST (SE) 3: H335 H336 Aquatic (A) 1: H400 Aquatic (C) 1: H410
124-38-9	Carbon dioxide	5.0 -15.0 %	204-696-9 NA	No phrases apply. No data available.



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Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** If ingested, seek medical attention immediately. Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Do not leave individual unattended. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Wash skin with soap and water. Remove contaminated clothing and shoes, and launder before reuse. If in eyes, rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing. 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 2 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. Increase area ventilation. Sweep or gather up material and place in proper container for disposal or recovery. Do not puncture or incinerate container. Contents under pressure. Clean up using dry procedures; avoid dusting. Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Keep away from heat/sparks/open flames/hot surfaces. Wear protective gloves/clothing and eye/face protection as specified by the manufacturer/supplier or the competent authority. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Wash hands thoroughly after handling. 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:** Keep container tightly closed. Do not store above 120 degrees F. Do not store in passenger compartment of automobile.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
67-64-1	Acetone	TWA: 1210 mg/m3 (500 ppm) STEL: 3620 mg/m3 (1500 ppm)	TWA: 1210 mg/m3 (500 ppm) STEL: 2420 mg/m3 (1000 ppm)	TWA: 1210 mg/m3

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CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
108-88-3	Toluene	TWA: 191 mg/m3 (50 ppm) STEL: 384 mg/m3 (100 ppm)	TWA: 192 mg/m3 (50 ppm) STEL: 384 mg/m3 (100 ppm)	TWA: 192 mg/m3 STEL: 384 mg/m3
142-82-5	Heptane	TWA: 2085 mg/m3 (500 ppm) STEL: ()	TWA: 1668 mg/m3 (400 ppm) STEL: 2085 mg/m3 (500 ppm)	TWA: 2085. mg/m3
124-38-9	Carbon dioxide	TWA: 9150 mg/m3 (5000 ppm) STEL: 27400 mg/m3 (15000 ppm)	TWA: 9000 mg/m3 (5000 ppm)	TWA: 9000 mg/m3

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-64-1	Acetone	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
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.
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.): Exhaust ventilation. Showers. Eyewash stations.

8.2.2 Personal protection equipment:

Eye Protection: Wear safety glasses or goggles to protect against exposure.

Protective Gloves: Use chemical resistant gloves for prolonged skin contact.

Other Protective Clothing: Rubber apron.

Respiratory Equipment (Specify Type): Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure self contained breathing apparatus.

Section 9. Physical and Chemical Properties**9.1 Information on Basic Physical and Chemical Properties**

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Clear, colorless spray/mist. Typical solvent odor.
pH:	NP
Melting Point:	No data.
Boiling Point:	133.00 F (56.1 C) - 231.00 F (110.6 C)
Flash Pt:	1.00 F (-17.2 C) Method Used: TAG Closed Cup
Evaporation Rate:	No data.
Explosive Limits:	LEL: 1.2 UEL: 13
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	.80
Solubility in Water:	Slight



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Autoignition Pt: No data.

9.2 Other Information

Percent Volatile: 44.2 % by weight.

Section 10. Stability and Reactivity

- 10.1 **Reactivity:** No data available.
- 10.2 **Stability:** Unstable [] Stable [X]
- 10.3 **Conditions To Avoid - Hazardous Reactions:** No data available.
- Possibility of Hazardous Reactions:** Will occur [] Will not occur [X]
- 10.4 **Conditions To Avoid - Instability:** Keep away from heat, sparks and flame. Temperature over 120 degrees F.
- 10.5 **Incompatibility - Materials To Avoid:** Strong acids. Strong oxidizing agents.
- 10.6 **Hazardous Decomposition Or Byproducts:** Carbon monoxide. Carbon dioxide.

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

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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:

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 GMM3, 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
67-64-1	Acetone	n.a.	n.a.	A4	n.a.
108-88-3	Toluene	n.a.	3	A4	n.a.
142-82-5	Heptane	n.a.	n.a.	n.a.	n.a.
124-38-9	Carbon dioxide	n.a.	n.a.	n.a.	n.a.



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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 Schadwirkung 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

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



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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.

- 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.

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- 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 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

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14.2 MARINE TRANSPORT (IMDG/IMO):**IMDG/IMO Shipping Name:** Aerosols, Ltd. Qty.**UN Number:** 1950**Hazard Class:** N.A.**Packing Group:****IMDG Classification:** 2.1**Marine Pollutant:** No**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)
67-64-1	Acetone	No	Yes 5000 LB	No
108-88-3	Toluene	No	Yes 1000 LB	Yes
142-82-5	Heptane	No	No	No
124-38-9	Carbon dioxide	No	No	No

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

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
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 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
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**

67-64-1	Acetone	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
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
124-38-9	Carbon dioxide	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes



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Revision: 08/22/2014

Supersedes Revision: 05/05/2014

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, UT.

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