

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:** C1INTL
Product Name: Carb Clean International
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant identified uses: Carb Cleaner
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- | | | | |
|--------------------------|---|----------------------|---------------|
| Company Name: | CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477 USA | Phone Number: | (800)843-7813 |
| Web site address: | www.cyclo.com | | |
| Email address: | ehs@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:**
- Flammable Aerosols, Category 1
 - Acute Toxicity: Inhalation, Category 4
 - Acute Toxicity: Oral, Category 4
 - Acute Toxicity: Skin, Category 4
 - Skin Corrosion/Irritation, Category 2
 - Serious Eye Damage/Eye Irritation, Category 2A
 - Toxic To Reproduction, Category 2
 - Specific Target Organ Toxicity (single exposure), Category 3
 - Specific Target Organ Toxicity (repeated exposure), Category 2
 - Aspiration Toxicity, Category 1
 - Aquatic Toxicity (Acute), Category 1
 - Aquatic Toxicity (Chronic), Category 1
- 2.2 Label Elements:**

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

- H222: Extremely flammable aerosol.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H361: Suspected of damaging fertility or the unborn child.



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H373: May cause damage to organs through prolonged or repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.

P229: Pressurized container: May burst if heated.

GHS Precaution Phrases:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.

P211: Do not spray on an open flame or any other ignition source

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

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

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P251: Pressurized container: Do not pierce or burn even after use.

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

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P281: Use personal protective equipment as required.

P362+364: Take off contaminated clothing and wash it before reuse.

GHS Response Phrases:

P370+378: In case of fire, use alcohol foam to extinguish.

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

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:

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

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.

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

2.3 Adverse Human Health No data available.

Effects and Symptoms:

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
142-82-5	Heptane	50.0 -55.0 %	205-563-8 601-008-00-2	Flam. Liq. 2: H225 Asp. Toxic. 1: H304 Skin Corr. 2: H315 STOT (SE) 3: H335 H336 Aquatic (A) 1: H400 Aquatic (C) 1: H410



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108-88-3	Toluene	35.0 -45.0 %	203-625-9 601-021-00-3	Flam. Liq. 2: H225 Asp. Toxic. 1: H304 Skin Corr. 2: H315 STOT (SE) 3: H335 H336 Toxic Repro. 2: H361d STOT (RE) 2: H373
111-76-2	Ethanol, 2-Butoxy-	1.0 -5.0 %	203-905-0 603-014-00-0	Acute Tox.(O) 4: H302 Acute Tox.(D) 4: H312 Skin Corr. 2: H315 Eye Damage 2A: H319 Acute Tox.(I) 4: H332
124-38-9	Carbon dioxide	1.0 -5.0 %	204-696-9 NA	Comp. Gas: H280

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 inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of skin contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Call physician immediately if adverse reaction occurs.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Foam, alcohol foam, CO2, dry chemical, water fog.
- 5.2 Flammable Properties and Hazards:** Water spray may be used to cool containers to prevent pressure build up & 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 & discharge contents. Vapor accumulation can flash or explode if ignited.
- Hazardous Combustion Products:** Emits irritating and toxic fumes and gases, carbon monoxide, carbon dioxide, formaldehyde.
- Flash Pt:** 18.00 F (-7.8 C) Method Used: TAG Closed Cup
- Explosive Limits:** LEL: 1.1 UEL: 12.7
- Autoignition Pt:** 500.00 F (260.0 C)
- 5.3 Fire Fighting Instructions:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing.

Section 6. Accidental Release Measures

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** No data available.
- 6.2 Environmental Precautions:** No data available.
- 6.3 Methods and Material For Containment and Cleaning Up:** Wear appropriate protective clothing and equipment to prevent skin and eye contact. Wear protective equipment specified. Only trained and qualified personnel should handle any spilled or leaked product. Keep away from heat, sparks and flames. Use non-sparking tools and equipment. Remove sources of ignition. Follow facility's spill response procedures. Isolate hazard area, keeping unnecessary and unprotected personnel from entering. Absorb spill with inert material. Keep away from drains.



Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Do not spray on an open flame or any other ignition source. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Pressurized container: Do not pierce or burn even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Take off contaminated clothing and wash it before reuse. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Store in cool/well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
142-82-5	Heptane	ACGIH TLV	TLV: 400 ppm	
		Europe	TWA: 2085. mg/m3 (500. ppm)	
		France VL	TWA: 1668 mg/m3 (400 ppm) STEL: 2085 mg/m3 (500 ppm)	
		OSHA PELs	PEL: 500 ppm	
		Britain EH40	TWA: 2085 mg/m3 (500 ppm) STEL: ()	
108-88-3	Toluene	ACGIH TLV	TLV: 50 ppm	
		Europe	TWA: 192 mg/m3 (50 ppm) STEL: 384 mg/m3 (100 ppm)	
		France VL	TWA: 192 mg/m3 (50 ppm) STEL: 384 mg/m3 (100 ppm)	
		OSHA PELs	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	
		Britain EH40	TWA: 191 mg/m3 (50 ppm) STEL: 384 mg/m3 (100 ppm)	Skin Absorption
111-76-2	Ethanol, 2-Butoxy-	ACGIH TLV	TLV: 20 ppm	
		Europe	TWA: 98 mg/m3 (20 ppm) STEL: 246 mg/m3 (50 ppm)	Skin Absorption
		France VL	TWA: 9.8 mg/m3 (2 ppm) STEL: 147.6 mg/m3 (30 ppm)	
		OSHA PELs	PEL: 50 ppm	
		Britain EH40	TWA: 123 mg/m3 (25 ppm) STEL: 246 mg/m3 (50 ppm)	Skin Absorption
124-38-9	Carbon dioxide	ACGIH TLV	TLV: 5000 ppm STEL: 30,000 ppm	
		Europe	TWA: 9000 mg/m3 (5000 ppm)	
		France VL	TWA: 9000 mg/m3 (5000 ppm)	
		OSHA PELs	PEL: 5000 ppm	
		Britain EH40	TWA: 9150 mg/m3 (5000 ppm) STEL: 27400 mg/m3 (15000 ppm)	



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8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit & LEL below stated limit.

8.2.2 Personal protection equipment:

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

Protective Gloves: None under normal use. Solvent resistant required for prolonged or repeated contact.

Other Protective Clothing: None under normal use. Solvent resistant aprons or other clothing is recommended.

Respiratory Equipment (Specify Type):

None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles & vapor. In confined areas, use approved air line type respirator or hood. Self contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Work/Hygienic/Maintenance Practices: Eye washes & safety showers in the workplace are recommended.

No data available.

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 liquid.

pH: No data.

Melting Point: NE

Boiling Point: 208.00 F (97.8 C) - 336.00 F (168.9 C)

Flash Pt: 18.00 F (-7.8 C) Method Used: TAG Closed Cup

Evaporation Rate: NE

Flammability (solid, gas): No data available.

Explosive Limits: LEL: 1.1 UEL: 12.7

Vapor Pressure (vs. Air or mm Hg): NE

Vapor Density (vs. Air = 1): NE

Specific Gravity (Water = 1): .77

Solubility in Water: slight

Octanol/Water Partition Coefficient: No data.

Autoignition Pt: 500.00 F (260.0 C)

Decomposition Temperature: No data.

Viscosity: No data.

9.2 Other Information

Percent Volatile: 97.0 %



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:** Application to hot surfaces. Storage above 120F. Exposure to open flame.
- 10.5 Incompatibility - Materials To Avoid:** Strong oxidizing agents.
- 10.6 Hazardous Decomposition or Byproducts:** May produce fumes when heated to decomposition. Fumes may contain carbon monoxide & other toxic fumes.

Section 11. Toxicological Information

- 11.1 Information on Toxicological Effects:** 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:



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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 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
142-82-5	Heptane	n.a.	n.a.	n.a.	n.a.
108-88-3	Toluene	n.a.	3	A4	n.a.
111-76-2	Ethanol, 2-Butoxy-	n.a.	3	A3	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 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.



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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.

- 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)



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

- 12.2 Persistence and Degradability:** No data available.
- 12.3 Bioaccumulative Potential:** No data available.
- 12.4 Mobility in Soil:** No data available.
- 12.5 Results of PBT and vPvB assessment:** No data available.
- 12.6 Other adverse effects:** No data available.



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 (European ADR/RID):

ADR/RID Shipping Name: Aerosols, 2.1, Ltd.Qty
UN Number: 1950
Hazard Class: 2.1 - FLAMMABLE GAS **ADR Classification:** 2.1

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Aerosols, 2.1 Ltd.Qty
UN Number: 1950 **Packing Group:**
Hazard Class: 2.1 - FLAMMABLE GAS **IMDG Classification:** 2.1
IMDG MFAG Number:
IMDG EMS Page: **Marine Pollutant:** No

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Aerosols, flammable, 2.1, Ltd.Qty
UN Number: 1950
Hazard Class: 2.1 - FLAMMABLE GAS **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)
142-82-5	Heptane	No	No	No
108-88-3	Toluene	No	Yes 1000 LB	Yes
111-76-2	Ethanol, 2-Butoxy-	No	No	Yes-Cat. N230
124-38-9	Carbon dioxide	No	No	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

142-82-5	Heptane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
108-88-3	Toluene	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 8A CAIR; CA PROP.65: Yes: RDTox(F); 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
111-76-2	Ethanol, 2-Butoxy-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Yes - Cat.; NC TAP: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - 1; SC TAP: Yes - Cat.; WI Air: Yes
124-38-9	Carbon dioxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes



SAFETY DATA SHEET

Carb Clean International

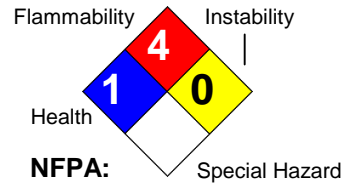
Revision: 08/10/2017
Supersedes Revision: 03/12/2014

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
142-82-5	Heptane	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
108-88-3	Toluene	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
111-76-2	Ethanol, 2-Butoxy-	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
124-38-9	Carbon dioxide	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

Section 16. Other Information

Revision Date: 08/10/2017

Hazard Rating System:

**Additional Information About** Not for sale in the US.**This Product:****Company Policy or****Disclaimer:**

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