

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:** C10
Product Name: Break Away Fast Penetrating Oil
- 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 3
 Acute Toxicity: Inhalation, Category 4
 Germ Cell Mutagenicity, Category 1A
 Carcinogenicity, Category 1B
- 2.2 Label Elements:**
2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:



GHS Signal Word: Danger

GHS Hazard Phrases:

H226: Flammable liquid and vapor.
 H332: Harmful if inhaled.
 H340: May cause genetic defects.
 H350: May cause cancer.

GHS Precaution Phrases:

P233: Keep container tightly closed.
 P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P240: Ground/bond container and receiving equipment.
 P241: Use explosion-proof electrical/ventilating/lighting equipment.
 P243: Take precautionary measures against static discharge.
 P242: Use only non-sparking tools.
 P271: Use only outdoors or in a well-ventilated area.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P281: Use personal protective equipment as required.

GHS Response Phrases:

P370+378: In case of fire, use foam, carbon dioxide, dry chemical or alcohol-resistant foam to extinguish.
 P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with

water/shower.

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

P312: Call a POISON CENTER/doctor if you feel unwell.

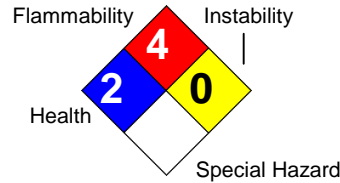
GHS Storage and Disposal Phrases:

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

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

P405: Store locked up.

Hazard Rating System:



2.3 Adverse Human Health

Effects and Symptoms:

Medical Conditions Repeated contact with skin may irritate pre-existing skin conditions.

Generally Aggravated

By Exposure:

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	50.0 -70.0 %	265-155-0 649-465-00-7	Carcinogen 1B: H350
68476-86-8	Liquified petroleum gas, sweetened	20.0 -30.0 %	270-705-8 649-203-00-1	Comp. Gas: H280 Flam. Gas 1: H220 Mutagen 1B: H340 Carcinogen 1B: H350
108-94-1	Cyclohexanone	1.0 -5.0 %	203-631-1 606-010-00-7	Flam. Liq. 3: H226 Acute Tox.(I) 4: H332

Section 4. First Aid Measures

4.1 Description of First Aid Measures: If swallowed, do not induce vomiting. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, wash with soap and large amounts of water. Remove contaminated clothing. In case of eye contact, immediately flush eyes with plenty of water. Holding eyelids open, flush eyes with running water. Remove contact lenses if wearing and flush open eyes with running water for at least 15 minutes. Call physician immediately if adverse reaction occurs.

4.2 Important Symptoms and Effects, Both Acute and Delayed:

Eyes: Contact with eyes may cause irritation, redness and pain. Causes moderate to severe eye irritation.

Skin: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Prolonged contact with liquid may cause slight temporary irritation.

Inhalation: Prolonged inhalation may be harmful. Inhaling large quantities of mist or vapor may cause some irritation to nose, throat and lungs. Avoid breathing mists from this product. Exposure to high doses may cause central nervous system depression (anesthetic-like effects). Doses which cause anesthetic-like effects may also cause adverse effects in liver, lungs and kidneys.

Ingestion: Ingestion is not considered to be a hazard encountered in normal industrial



SAFETY DATA SHEET

Break Away Fast Penetrating Oil

Page: 3

Revision: 06/13/2013

Supersedes Revision: 04/17/2013

use. This material may be harmful or fatal if swallowed. Aspiration hazard. Low order of toxicity. May cause mild nausea and abdominal discomfort.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Foam, carbon dioxide, dry chemical, alcohol-resistant foam.
- 5.2 Flammable Properties and Hazards:** Vapors can travel to a source of ignition and flash back. Extremely flammable. Material will readily ignite at room temperatures in the presence of an ignition source. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Contents under pressure. Containers may explode if exposed to high temperatures.
- Flammability Classification:** NFPA Level 3 Aerosol
- Flash Pt:** -141.00 F (-96.1 C) Method Used: TAG Closed Cup
- Explosive Limits:** LEL: .7 UEL: 9.5
- Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulating in low areas.

Section 6. Accidental Release Measures

- 6.3 Methods and Material For Containment and Cleaning Up:** Use recommended personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Wash thoroughly after handling. Use only in well-ventilated area. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Keep from freezing. Keep away from heat, sparks, and flame. Keep container closed when not in use. Do not store above 120 degrees F. Do not spray into open flame or near other sources of ignition. Do not store in direct contact with sunlight, puncture, crush or incinerate container.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No data.	No data.	No data.
68476-86-8	Liquified petroleum gas, sweetened	No data.	No data.	No data.
108-94-1	Cyclohexanone	TWA: 41 mg/m3 (10 ppm) STEL: 82 mg/m3 (20 ppm)	No data.	TWA: 40.8 mg/m3 STEL: 81.6 mg/m3



SAFETY DATA SHEET

Break Away Fast Penetrating Oil

Page: 4

Revision: 06/13/2013

Supersedes Revision: 04/17/2013

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No data.	No data.	No data.
68476-86-8	Liquified petroleum gas, sweetened	No data.	No data.	No data.
108-94-1	Cyclohexanone	PEL: 50 ppm	TLV: 20 ppm STEL: 50 ppm	No data.

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

8.2.2 Personal protection equipment:

Eye Protection: Wear safety glasses with side shields or goggles when using this product.

Protective Gloves: Gloves resistant to petroleum distillates should be worn.

Other Protective Clothing: Wear impervious protective clothing, including boots, gloves, protective apron or coveralls to prevent skin contact.

Respiratory Equipment (Specify Type): A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Work/Hygienic/Maintenance Practices: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin and clothing.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Light amber brown liquid with solvent odor.
Melting Point:	No data.
Boiling Point:	-94.00 C (-137.2 F)
Flash Pt:	-141.00 F (-96.1 C) Method Used: TAG Closed Cup
Evaporation Rate:	No data.
Explosive Limits:	LEL: .7 UEL: 9.5
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	.820
Solubility in Water:	No data.
Autoignition Pt:	No data.



SAFETY DATA SHEET

Break Away Fast Penetrating Oil

Page: 5

Revision: 06/13/2013

Supersedes Revision: 04/17/2013

9.2 Other Information

Percent Volatile: 22.18 % 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:** Open flames and high temperatures. Contact with strong oxidizing agents. Avoid all sources of ignition, welding arcs and open flames. Keep product away from temperatures in excess of 120F (49C). Do not crush, puncture or incinerate container. Do not expose to direct sunlight or store where temperatures could exceed 120F.
- 10.5 Incompatibility - Materials To Avoid:** Strong oxidizing agents. Strong bases.
- 10.6 Hazardous Decomposition Or Byproducts:** Carbon oxides; fumes.

Section 11. Toxicological Information

- 11.1 Information on Toxicological Effects:**
- LD50: >5000 mg/kg
- LC50: >4600 ppm
- CAS# 64742-52-5:
- Mutagenicity:, Mutation test: Mutation in microorganisms., 10.00 UL/PLAT, Bacteria - Salmonella typhimurium.,
- Results:
- Behavioral: Coma.
- Biochemical:Metabolism (intermediary): Other.
- Cell Biology and Toxicology., Princeton Scientific Pub., Inc., 301 N. Harrison St., CN 5279, Princeton, NJ 08540, Vol/p/yr: 2,63, 1986
- Acute toxicity, LD (Lethal dose), Oral, Rat, 5.000 GM/KG.
- Results:
- Tumorigenic: Neoplastic by RTECS criteria.
- Lungs, Thorax, or Respiration: Tumors.
- Tumorigenic:Tumors at site of application.
- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990
- Acute toxicity, LD (Lethal dose), Skin, Species: Rabbit, 5.000 GM/KG.
- Results:
- Behavioral: Coma.
- Biochemical:Metabolism (intermediary): Other.
- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990
- Tumorigenic Effects:, TDLo, Skin, Mouse, 480.0 GM/KG, 80 W.
- Results:
- Tumorigenic: Neoplastic by RTECS criteria.
- Skin and Appendages: Other: Tumors.



SAFETY DATA SHEET

Break Away Fast Penetrating Oil

Page: 6

Revision: 06/13/2013

Supersedes Revision: 04/17/2013

Tumorigenic: Tumors at site of application.

- United States Environmental Protection Agency, Office of Pesticides and Toxic Substances., U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances, 401 M St., SW, Washington, DC 20460, Vol/p/yr: 8EHQ-0887-,

Tumorigenic Effects:, TDLo, Skin, Mouse, 402.0 GM/KG, 78 W.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic: Tumors at site of application.

- British Journal of Cancer., Macmillan Press Ltd, Houndmills, Basingstoke, Hampshire RG21 2XS UK, Vol/p/yr: 48,429, 1983

Tumorigenic Effects:, TDLo, Skin, Mouse, 398.0 GM/KG, 22 W.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic: Tumors at site of application.

- British Journal of Cancer., Macmillan Press Ltd, Houndmills, Basingstoke, Hampshire RG21 2XS UK, Vol/p/yr: 48,429, 1983

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, Severe.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors.

Tumorigenic: Tumors at site of application.

- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	n.a.	n.a.	n.a.	n.a.
68476-86-8	Liquified petroleum gas, sweetened	n.a.	n.a.	n.a.	n.a.
108-94-1	Cyclohexanone	n.a.	3	A3	n.a.

Section 12. Ecological Information

Section 13. Disposal Considerations

13.1 Waste Disposal Method:

Disposal should be made in accordance with federal, state and local regulations.



SAFETY DATA SHEET

Break Away Fast Penetrating Oil

Page: 7

Revision: 06/13/2013
Supersedes Revision: 04/17/2013

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:
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
Marine Pollutant: No

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Aerosols, flammable, 2.1, Ltd. Qty.
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)
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No	No	No
68476-86-8	Liquified petroleum gas, sweetened	No	No	No
108-94-1	Cyclohexanone	No	Yes 5000 LB	No

CAS #	Hazardous Components (Chemical Name)
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic

Other US EPA or State Lists

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

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

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: Part 5; NC TAP: No; NJ EHS: Yes - 0570; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes

CAS #	Hazardous Components (Chemical Name)
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic
68476-86-8	Liquified petroleum gas, sweetened
108-94-1	Cyclohexanone

International Regulatory Lists

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

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

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



SAFETY DATA SHEET

Break Away Fast Penetrating Oil

Page: 8

Revision: 06/13/2013
Supersedes Revision: 04/17/2013

Section 16. Other Information

Revision Date: 06/13/2013

Additional Information About No data available.

This Product:

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.