



MATERIAL SAFETY DATA SHEET

Break Away Fast Penetrating Oil

CYCLO INDUSTRIES, INC.
401 MAPLEWOOD DRIVE
SUITE 18
JUPITER, FL 33458

HEALTH		1
FLAMMABILITY		4
REACTIVITY		0
PPE		



Revision: 12/07/2009

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1. Product and Company Identification

Product Code:	C-10
Product Name:	Break Away Fast Penetrating Oil
Manufacturer Information	
Company Name:	CYCLO INDUSTRIES, INC.
Phone Number:	(800)843-7813
Fax Number:	(561)745-3867
Emergency Contact:	First Aid Emergency (800)752-7869
Alternate Emergency Contact:	Shipping Emergency (Chemtrec) (800)424-9300
Information:	Emergency (Outside the U.S.) (312)906-6194
Web site address:	www.cyclo.com

2. Hazards Identification

Emergency Overview

Aspiration hazard. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Inhaling large quantities of mist or vapors may cause some irritation to nose, throat and lungs. Avoid breathing mists from this product. Prolonged contact with liquid may cause slight temporary skin irritation. Ingestion is not considered to be a hazard encountered in normal industrial use. Aspiration hazard. Low order of toxicity. May cause mild nausea and abdominal discomfort.

Health Hazards (Acute and Chronic)

No data available.

Signs and Symptoms Of Exposure

No data available.

Medical Conditions Generally Aggravated By Exposure

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

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	<70.0 %
2. Liquified petroleum gas, sweetened	68476-86-8	<20.0 %
3. Hydrotreated Distillate	64742-46-7	<20.0 %
4. Cyclohexanone	108-94-1	<10.0 %

4. First Aid Measures

Emergency and First Aid Procedures

If swallowed, do not induce vomiting. Keep individual calm. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Wash skin with soap and water. Flush eyes with water for 15 minutes. Call physician immediately if adverse reaction occurs.



5. Fire Fighting Measures

Flash Pt: < -141.00 F (-96.1 C) Method Used: TAG Closed Cup

Explosive Limits: LEL: .7 UEL: 9.5

Special Fire Fighting Procedures

Wear a NIOSH approved self-contained breathing apparatus operated in pressure-demand or other positive pressure when fighting fires. Sealed containers may rupture explosively if exposed to heat.

Unusual Fire and Explosion Hazards

Vapors can travel to a source of ignition and flash back.

Suitable Extinguishing Media

Alcohol foam, carbon dioxide, dry chemical, foam, water fog.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

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.

7. Handling and Storage

Precautions To Be Taken in Handling

Wash thoroughly after handling. Keep out of the reach of children.

Precautions To Be Taken in Storing

Keep from freezing. Keep away from heat, sparks, and flame. Keep container closed when not in use.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No data.	No data.	No data.
2. Liquified petroleum gas, sweetened	68476-86-8	No data.	No data.	No data.
3. Hydrotreated Distillate	64742-46-7	No data.	No data.	No data.
4. Cyclohexanone	108-94-1	50 ppm	20 ppm	No data.

Respiratory Equipment (Specify Type)

NIOSH/MSHA approved respirator. Local exhaust ventilation as necessary to control any air contaminants within their exposure limits.

Eye Protection

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

Protective Gloves

Impervious protective gloves.

Other Protective Clothing

Wear impervious clothing to prevent repeated, prolonged skin contact.

Ventilation

No data available.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Melting Point: No data.

Boiling Point: -23.00 C (-9.4 F) - 563.00 F (295.0 C)

Autoignition Pt: No data.

Flash Pt: < -141.00 F (-96.1 C) Method Used: TAG Closed Cup



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Explosive Limits:	LEL: .7	UEL: 9.5
Specific Gravity (Water = 1):	.7953	
Bulk density:	No data.	
Vapor Pressure (vs. Air or mm Hg):	NE	
Vapor Density (vs. Air = 1):	> air AIR=1	
Evaporation Rate (vs Butyl Acetate=1):	> 1	
Solubility in Water:	Negligible	
Percent Volatile:	29.72 % by weight.	
Heat Value:	No data.	
Particle Size:	No data.	
Corrosion Rate:	No data.	
pH:	NP	

Appearance and Odor

Light amber brown liquid with solvent odor.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Open flames and high temperatures. Contact with strong oxidizing agents. Avoid all sources of ignition, welding arcs and open flames.

Incompatibility - Materials To Avoid

Strong oxidizers.

Hazardous Decomposition Or Byproducts

Oxides of carbon, phosphorous, sulfur and smoke.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

No data available.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	n.a.	n.a.	n.a.	n.a.
2. Liquified petroleum gas, sweetened	68476-86-8	n.a.	n.a.	n.a.	n.a.
3. Hydrotreated Distillate	64742-46-7	n.a.	n.a.	n.a.	n.a.
4. Cyclohexanone	108-94-1	n.a.	n.a.	A3	n.a.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method

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

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name ORM-D
DOT Hazard Class: 9
DOT Hazard Label: CLASS 9

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Proper Shipping Name Aerosols
IMDG Classification: 2.1

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	No	No
2. Liquified petroleum gas, sweetened	68476-86-8	No	No	No	No
3. Hydrotreated Distillate	64742-46-7	No	No	No	No
4. Cyclohexanone	108-94-1	No	Yes 5000 LB	No	No

Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	Inventory	No
2. Liquified petroleum gas, sweetened	68476-86-8	No	No	Inventory	No
3. Hydrotreated Distillate	64742-46-7	No	No	Inventory	No
4. Cyclohexanone	108-94-1	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	No	No
2. Liquified petroleum gas, sweetened	68476-86-8	No	No	No	No
3. Hydrotreated Distillate	64742-46-7	No	No	No	No
4. Cyclohexanone	108-94-1	Title 8	Yes	Part 5	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	Yes - No	No
2. Liquified petroleum gas, sweetened	68476-86-8	No	No	Yes - No	No
3. Hydrotreated Distillate	64742-46-7	No	No	Yes - No	No
4. Cyclohexanone	108-94-1	No	Yes	Yes - PA_HSL	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No
2. Liquified petroleum gas, sweetened	68476-86-8	No
3. Hydrotreated Distillate	64742-46-7	No
4. Cyclohexanone	108-94-1	Yes

International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	No	No	No
2. Liquified petroleum gas, sweetened	68476-86-8	No	No	No
3. Hydrotreated Distillate	64742-46-7	No	No	No
4. Cyclohexanone	108-94-1	No	No	No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:



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- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

- Inventory:** Chemical Listed in the TSCA Inventory.
- 5A(2):** Chemical Subject to Significant New Rules (SNURS)
- 6A:** Commercial Chemical Control Rules
- 8A:** Toxic Substances Subject To Information Rules on Production
- 8A CAIR:** Comprehensive Assessment Information Rules - (CAIR)
- 8A PAIR:** Preliminary Assessment Information Rules - (PAIR)
- 8C:** Records of Allegations of Significant Adverse Reactions
- 8D:** Health and Safety Data Reporting Rules
- 8D TERM:** Health and Safety Data Reporting Rule Terminations
- 12(b):** Notice of Export

Other Important Lists:

- CWA NPDES:** EPA Clean Water Act NPDES Permit Chemical
- CAA HAP:** EPA Clean Air Act Hazardous Air Pollutant
- CAA ODC:** EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
- CA PROP 65:** California Proposition 65
- CA TAC:** California AB 1807 - Toxic Air Contaminants
- CA Title 8:** California Hazardous Substances List: Title 8, Sec. 339
- MI CMR:** Michigan Critical Materials Register
- MI Part 5:** Michigan DEQ WRP Part 5 Pollutants List
- NC TAP:** North Carolina Toxic Air Pollutants
- NJ EHS:** New Jersey Environmental Hazardous Substances List
- NY Part 597:** New York Part 597 List of Hazardous Substances
- PA HSL:** Pennsylvania Hazardous Substances List
- SC TAP:** South Carolina Toxic Air Pollutants
- WI Air:** Wisconsin Reportable Air Contaminants

International Regulatory Lists:

- Canadian DSL:** Canada Domestic Substances List
- Canadian NDSL:** Canada Non-Domestic Substances List
- Taiwan TCSCA:** Taiwan Toxic Chemical Substances Control Act of 1986

16. Other Information

Company Policy or Disclaimer

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