



# SAFETY DATA SHEET

## Fusion 3.0

Page: 1

Revision: 09/22/2017

Supersedes Revision: 10/03/2014

### 1. Product and Company Identification

**Product Code:** C300  
**Product Name:** Fusion 3.0  
**Company Name:** CYCLO INDUSTRIES, INC.  
902 SOUTH US HIGHWAY 1  
JUPITER, FL 33477  
**Phone Number:** (800)843-7813  
**Web site address:** www.cyclo.com  
**Email address:** ehs@cyclo.com  
**Emergency Contact:** First Aid Emergency (800)752-7869  
CHEMTREC (703) 527-3887 (800)424-9300  
**Information:** First Aid Emergency (Outside U.S.) (312)906-6194  
**Intended Use:** Lubricant

### 2. Hazards Identification

Flammable Aerosols, Category 3

Acute Toxicity: Inhalation, Category 4

Carcinogenicity, Category 1B

Aspiration Toxicity, Category 1

Serious Eye Damage/Eye Irritation, Category 2B



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H229: Pressurized container: may burst if heated.  
H304: May be fatal if swallowed and enters airways.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H350: May cause cancer.

**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.  
P251: Pressurized container: Do not pierce or burn, even after use.  
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264: Wash hands thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:** 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:** P405: Store locked up.  
P410+412: Protect from sunlight and do not expose to temperatures exceeding 50



# SAFETY DATA SHEET

## Fusion 3.0

Page: 2

Revision: 09/22/2017

Supersedes Revision: 10/03/2014

°C/122 °F.

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

### Potential Health Effects (Acute and Chronic):

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	58.0 %
74-98-6	Propane	10.0 %
106-97-8	Butane	9.0 %
64742-06-9	Mineral oil, petroleum	6.0 %
108-94-1	Cyclohexanone	3.0 %

## 4. First Aid Measures

### Emergency and First Aid Procedures:

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. 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.

## 5. Fire Fighting Measures

**Flammability Classification:** NFPA Level 3 Aerosol

**Flash Pt:** -156.00 F (-104.4 C) Method Used: Estimate

**Explosive Limits:** LEL: 1.1 UEL: 12.75

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Alcohol foam, carbon dioxide, dry chemical, foam, water fog.

**Fire Fighting Instructions:** Water spray 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. Wear goggles & self contained breathing apparatus.

**Flammable Properties and Hazards:** Closed containers may explode from internal pressure build-up when exposed to extreme heat & discharge contents. Vapors accumulation can flash or explode if ignited.

**Hazardous Combustion Products:** Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Avoid breathing vapors. Remove all sources of ignition. Clean up area with absorbent material & place in closed containers for disposal.

## 7. Handling and Storage

**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. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep out of the reach of children.

**Precautions To Be Taken in Storing:** Store locked up. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.



# SAFETY DATA SHEET

## Fusion 3.0

Page: 3

Revision: 09/22/2017

Supersedes Revision: 10/03/2014

### 8. Exposure Controls/Personal Protection

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.
74-98-6	Propane	PEL: 1000 ppm	TLV: (2500 ppm)	No data.
106-97-8	Butane	No data.	TLV: (800 ppm)	No data.
64742-06-9	Mineral oil, petroleum	No data.	No data.	No data.
108-94-1	Cyclohexanone	PEL: 50 ppm	TLV: 20 ppm STEL: 50 ppm	No data.

**Respiratory Equipment  
(Specify Type):**

Avoid breathing vapors. Use with adequate ventilation equal to out of doors. 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.

**Eye Protection:**

Use of safety glasses with splash guards or full face shield is recommended.

**Protective Gloves:**

Solvent resistant gloves required for prolonged or repeated contact.

**Other Protective Clothing:**

Use of solvent resistant aprons or other clothing is recommended.

**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.

**Work/Hygienic/Maintenance  
Practices:**

Eye washes & safety showers in the workplace are recommended.

### 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Aerosol product with solvent odor.
<b>pH:</b>	No data.
<b>Melting Point:</b>	No data.
<b>Boiling Point:</b>	-44.00 F (-42.2 C) - 500.00 F (260.0 C)
<b>Flash Pt:</b>	-156.00 F (-104.4 C) Method Used: Estimate
<b>Evaporation Rate:</b>	No data.
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive Limits:</b>	LEL: 1.1 UEL: 12.75
<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>	NIL



# SAFETY DATA SHEET

## Fusion 3.0

Page: 4

Revision: 09/22/2017

Supersedes Revision: 10/03/2014

**Octanol/Water Partition Coefficient:** No data.  
**Percent Volatile:** 26.88 % by weight.  
**Autoignition Pt:** No data.  
**Decomposition Temperature:** No data.  
**Viscosity:** No data.

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Application to hot surfaces. Storage above 120 F. Exposure to open flame.  
**Incompatibility - Materials To Avoid:** Strong oxidizing agents.  
**Hazardous Decomposition or Byproducts:** Fumes may contain carbon monoxide & other toxic fumes.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

### 11. Toxicological Information

**Toxicological Information:** 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

## Fusion 3.0

Page: 5

Revision: 09/22/2017

Supersedes Revision: 10/03/2014

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.
74-98-6	Propane	n.a.	n.a.	n.a.	n.a.
106-97-8	Butane	n.a.	n.a.	n.a.	n.a.
64742-06-9	Mineral oil, petroleum	n.a.	n.a.	n.a.	n.a.
108-94-1	Cyclohexanone	n.a.	3	A3	n.a.

## 12. Ecological Information

No data available.

## 13. Disposal Considerations

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

## 14. Transport Information



# SAFETY DATA SHEET

## Fusion 3.0

Page: 6

Revision: 09/22/2017  
Supersedes Revision: 10/03/2014

### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Aerosols, 2.1, Ltd. Qty.  
**DOT Hazard Class:** 2.1 FLAMMABLE GAS  
**UN/NA Number:** UN1950

### 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

### MARINE TRANSPORT (IMDG/IMO):

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

### AIR TRANSPORT (ICAO/IATA):

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

## 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
74-98-6	Propane	No	No	No
106-97-8	Butane	No	No	No
64742-06-9	Mineral oil, petroleum	No	No	No
108-94-1	Cyclohexanone	No	Yes 5000 LB	No

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

#### Other US EPA or State Lists

64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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
74-98-6	Propane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1594; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
106-97-8	Butane	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: Yes - 0273; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
64742-06-9	Mineral oil, petroleum	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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
108-94-1	Cyclohexanone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA



# SAFETY DATA SHEET

## Fusion 3.0

Page: 7

Revision: 09/22/2017

Supersedes Revision: 10/03/2014

Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ  
EHS: No; 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
74-98-6	Propane
106-97-8	Butane
64742-06-9	Mineral oil, petroleum
108-94-1	Cyclohexanone

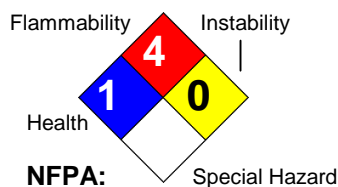
### International Regulatory Lists

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

## 16. Other Information

Revision Date: 09/22/2017

Hazard Rating System:



Additional Information About This Product: 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.