

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:** C300
Product Name: Fusion 3.0
- 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
 Carcinogenicity, Category 1B
 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:

H226: Flammable liquid and vapor.

H332: Harmful if inhaled.

H350: May cause cancer.

H304: May be fatal if swallowed and enters airways.

H280: Contents under pressure. May explode if heated.

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 alcohol foam, carbon dioxide, dry chemical, foam or water fog to extinguish.

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:

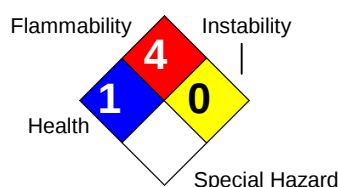
P403+235: Store in cool/well-ventilated place.

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

P405: Store locked up.

2.2.2 Labeling according to Directive 1999/45/EC:

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.	Risk Phrases/ GHS Classification
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	58.0 %	265-155-0 649-465-00-7	T; R45 Carcinogen 1B: H350
74-98-6	Propane	10.0 %	200-827-9 601-003-00-5	F+; R12 Comp. Gas: H280 Flam. Gas 1: H220
106-97-8	Butane	9.0 %	203-448-7 601-004-01-8	F+; T; R45-46-12 Flam. Gas 1: H220 Comp. Gas: H280
64742-06-9	Mineral oil, petroleum	6.0 %	265-105-8 NA	No phrases apply. Asp. Toxic. 1: H304
108-94-1	Cyclohexanone	3.0 %	203-631-1 606-010-00-7	Xn; R10-20 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. 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.
- 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 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:** Alcohol foam, carbon dioxide, dry chemical, foam, water fog.
- 5.2 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.
- 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.
- 5.3 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.

Section 6. Accidental Release Measures

- 6.3 Methods and Material For Containment and Cleaning Up:** Avoid breathing vapors. Remove all sources of ignition. Clean up area with absorbent material & place in closed containers for disposal.

Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. 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. Store locked up, in cool/well-ventilated place.

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.
74-98-6	Propane	No data.	No data.	No data.
106-97-8	Butane	TWA: 1450 mg/m3 (600 ppm) STEL: 1810 mg/m3 (750 ppm)	TWA: 1900 mg/m3 (800 ppm)	No data.
64742-06-9	Mineral oil, petroleum	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
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.

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: 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.

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.

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



Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: ☐ Gas ☒ Liquid ☐ Solid
Appearance and Odor: Aerosol product with solvent odor.
Melting Point: No data.
Boiling Point: -44.00 F (-42.2 C) - 500.00 F (260.0 C)
Flash Pt: -156.00 F (-104.4 C) Method Used: Estimate
Evaporation Rate: No data.
Explosive Limits: LEL: 1.1 UEL: 12.75
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Specific Gravity (Water = 1): .80
Solubility in Water: NIL
Autoignition Pt: No data.

9.2 Other Information

Percent Volatile: 26.88 % by weight.

Section 10. Stability and Reactivity

10.1 Reactivity: No data available.
10.2 Stability: Unstable ☐ Stable ☒
10.3 Conditions To Avoid - Hazardous Reactions: No data available.
Possibility of Hazardous Reactions: Will occur ☐ Will not occur ☒
10.4 Conditions To Avoid - Instability: Application to hot surfaces. Storage above 120 F. Exposure to open flame.
10.5 Incompatibility - Materials To Avoid: Strong oxidizing agents.
10.6 Hazardous Decomposition Or Byproducts: Fumes may contain carbon monoxide & other toxic 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.

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



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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.

Section 12. Ecological Information

Section 13. Disposal Considerations

13.1 Waste Disposal Method:	Dispose of contents/container in accordance with local/regional/national/international regulation.
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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:** 2.1

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.

(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)
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: 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: 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: 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: 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: 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)

International Regulatory Lists

64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
74-98-6	Propane	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
106-97-8	Butane	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
64742-06-9	Mineral oil, petroleum	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
108-94-1	Cyclohexanone	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes



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European Community Hazard Symbol codes:

European Community Risk and Safety Phrases:

No data available.

Section 16. Other Information

Revision Date: 10/03/2014

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

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