1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name 106E FLUID SHIELD

Other means of identification

Product code F04562

Product Type Extremely Flammable Aerosol

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Penetrant.

Uses advised against **No information available**

Manufactured For:
1st Ayd Corporation
1325 Gateway Drive
Elgin, IL 60124
PHONE: 1-800-422-3033
MON.-FRI. 8AM-5PM

Manufacturer
American Jetway Corporation
34136 Myrtle Street
Wayne, MI 48184-0126
Phone:(734) 721-5930

Emergency telephone number

Chemical Emergency Phone Number CHEMTREC: 1-800-262-8200 ID 1195 (UNITED STATES)
INTERNATIONAL 1-703-741-5500

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below.The labeling below applies to industrial/professional products.

Specific target organ toxicity (repeated exposure)	Category 2
Aspiration hazard	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Label elements

Emergency Overview

Danger

Hazard statements

May cause damage to organs (Eyes and Respiratory System), through prolonged or repeated exposure.
May be fatal if swallowed and enters airways
Extremely flammable aerosol
Contains gas under pressure; may explode if heated

Appearance Opaque

Physical state Aerosol

Odor Mild

Precautionary Statements - Prevention
Do not breathe dust, fume, gas, mist, vapors, spray.
Keep away from heat, sparks, open flames, hot surfaces-No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response
Get medical advice, attention if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician.
Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up
Protect from sunlight. Store in a well-ventilated place
Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal
Dispose of contents, container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

Not applicable

Other information
No information available.

0 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
NAPHTHENIC OIL, SEVERELY HYDROTREATED	64742-52-5	50-60
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	20-30
MINERAL OIL, SEVERELY HYDROTRE	64742-54-7	1-10
SURFACE TREATED SILICA	68611-44-9	1-10
CALCIUM DINONYLNAPHTHALENE SUL	57855-77-3	0.1-1.0
ZINC OXIDE	1314-13-2	0.1-1.0
POLYTETRAFLUOROETHYLENE	9002-84-0	0.1-1.0
TITANIUM DIOXIDE	13463-67-7	<0.1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.

Eye contact Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If eye irritation persists, consult a doctor.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

Ingestion Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to unconscious person. Risk of product entering the lungs on vomiting after ingestion.

Most important symptoms and effects, both acute and delayed

Main Symptoms May cause skin, eye, and respiratory irritation. Harmful and may be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water fog.Dry chemical. Foam.Carbon dioxide (CO2). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical
Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition.

Explosion Data

Sensitivity to Mechanical Impact none.
Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters
In the event of fire and/or explosion do not breathe fumes. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate ventiliation to keep the exposure levels below the OELS.

Environmental precautions

Environmental precautions Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Report spills as required by local and federal regulations.

Methods and material for containment and cleaning up

Methods for Containment Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods for cleaning up Absorb with sand, clay, or other suitable material. hard surfaces may be mopped with water. Dam up. Cover liquid spill with sand, earth, or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible products Strong acids, alkali , or oxidizing agents.

Aerosol Level 3

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6:TWA: 1000 ppm TWA: 1800 mg/m^3 (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m^3 106-97-8: (vacated) TWA: 800	74-98-6:IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m^3 106-97-8:TWA: 800 ppm TWA: 1900 mg/m^3

		ppm (vacated) TWA: 1900 mg/m³	75-28-5:TWA: 800 ppm TWA: 1900 mg/m³
ZINC OXIDE 1314-13-2	STEL: 10 mg/m³ respirable particulate matter TWA: 2 mg/m³ respirable particulate matter	TWA: 5 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ fume (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) STEL: 10 mg/m³ fume	IDLH: 500 mg/m³ Ceiling: 15 mg/m³ dust TWA: 5 mg/m³ dust and fume STEL: 10 mg/m³ fume
TITANIUM DIOXIDE 13463-67-7	TWA: 0.2 mg/m³ nanoscale respirable particulate matter TWA: 2.5 mg/m³ finescale respirable particulate matter	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³ TWA: 2.4 mg/m³ CIB 63 fine TWA: 0.3 mg/m³ CIB 63 ultrafine, including engineered nanoscale

ACGIH: (American Conference of Governmental Industrial Hygienists)
OSHA: (Occupational Safety & Health Administration)
NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Safety glasses with side-shields.

Skin and body protection Chemical resistant apron. Protective gloves.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Aerosol
Appearance Opaque
Color Beige
Odor Mild
Odor Threshold

Property	Values	Remarks • Method
pH	No information available	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash Point	-96 °C / -141 °F	Based on propellant
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
upper flammability limit		
lower flammability limit	No information available	
Vapor pressure		
Vapor density	No information available	
Specific gravity	0.825	

Water solubility	Practically insoluble	
Partition coefficient: n-octanol/water		
Autoignition temperature	No information available	Not applicable
Hyphen		
Viscosity	No information available	
Explosive properties		

Other information

VOC Content(%) 22.84

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to Avoid
Heat, flames and sparks.

Incompatible materials
Strong acids, alkali , or oxidizing agents.

Hazardous decomposition products
Carbon oxides , Hydrocarbons, Fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Harmful if inhaled. Avoid inhaling vapors or mists. May cause respiratory irritation , drowsiness or dizziness.

Eye contact May be irritating to the eyes.

Skin contact May cause irritation to skin .

Ingestion May be fatal if swallowed and enters airways.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
NAPHTHENIC OIL, SEVERELY HYDROTREATED 64742-52-5	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
MINERAL OIL, SEVERELY HYDROTRE 64742-54-7	> 15 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
SURFACE TREATED SILICA 68611-44-9	> 5000 mg/kg (Rat)	-	= 0.45 mg/L (Rat) 4 h
CALCIUM DINONYLNAPHTHALENE SUL 57855-77-3	> 5000 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	> 18 mg/L (Rat) 1 h
ZINC OXIDE 1314-13-2	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5700 mg/m³ (Rat) 4 h
TITANIUM DIOXIDE	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h

13463-67-7			

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause eye, skin, and respiratory irritation. Harmful ans may be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause irritation to skin .
Eye damage/irritation May cause eye irritation.
Irritation May cause skin, eye, and respiratory irritation.
Sensitization No information available.
Germ cell mutagenicity Not a germ cell mutagen.
Carcinogenicity The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
MINERAL OIL, SEVERELY HYDROTRE 64742-54-7	A2	Group 1	Known	X
POLYTETRAFLUOROETHYLENE 9002-84-0	-	Group 3	-	-
TITANIUM DIOXIDE 13463-67-7	A3	2B	-	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
NTP: (National Toxicity Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.

Specific target organ systemic toxicity (single exposure) No information available.
Specific target organ systemic toxicity (repeated exposure) May cause damage to target organs listed below through prolonged or repeated exposure.
Chronic toxicity Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.
Target organ effects Eyes, Respiratory system.
Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 3165 mg/kg
ATEmix (dermal) 12362 mg/kg
ATEmix (inhalation-gas) 198334 mg/l
ATEmix (inhalation-dust/mist) 16.9 mg/l
ATEmix (inhalation-vapor) 379 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
NAPHTHENIC OIL, SEVERELY HYDROTREATED 64742-52-5	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-	-	-
MINERAL OIL, SEVERELY HYDROTRE 64742-54-7	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
ZINC OXIDE 1314-13-2	-	LC50: =1.55mg/L (96h, Danio rerio)	-	-

Persistence and degradability

Bioaccumulation

Chemical name	Partition coefficient
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging Do not re-use empty containers. Empty containers may contain flammable or explosive vapors.

14. TRANSPORT INFORMATION

DOT Ground LIMITED QUANITY

IATA UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD .QTY.

IMDG UN1950, AEROSOLS, 2.1, LTD.QTY

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
NAPHTHENIC OIL,	X	X	X	Not listed	X	X	X	X

SEVERELY HYDROTREATED								
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	x	X	X	X	X
MINERAL OIL, SEVERELY HYDROTRE	X	X	X	X	X	X	X	X
SURFACE TREATED SILICA	X	X	X	X	X	X	X	X
CALCIUM DINONYLNAPHTHALENE SUL	X	X	X	X	X	X	X	X
ZINC OXIDE	X	X	X	X	X	X	X	X
POLYTETRAFLUOROETHYLENE	X	X	Not listed	X	X	X	X	X
TITANIUM DIOXIDE	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
CHINA - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
ZINC OXIDE - 1314-13-2	1314-13-2	0.1-1.0	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	Yes
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
ZINC OXIDE 1314-13-2		X		

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical name	California Proposition 65
TITANIUM DIOXIDE - 13463-67-7	Cancer/must be airborne, unbound, and of particle size <10 millimeters; is bound in polymer and non-respirable Proposition / <0.1%

Note Titanium Dioxide, (CAS # 13463-67-7), must be airborne, unbound, and of a particle size < 10 micrometers in diameter to be considered a Proposition 65 chemical . For this product, Titanium Dioxide is bound in the product and no inhalation exposure will occur during the handling or use of this product in this application. Titanium Dioxide for this application is not considered a Proposition 65 chemical.. NO warning for Titanium Dioxide as a Proposition 65 chemical is required.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
ZINC OXIDE 1314-13-2	X	X	X
POLYTETRAFLUOROETHYLENE 9002-84-0			X
TITANIUM DIOXIDE 13463-67-7	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

NFPA	**Health hazards** 2	**Flammability** 4	**Instability** 0	**Special hazards** -
HMIS	**Health hazards** 2	**Flammability** 4	**Physical hazards** 1	**Personal protection** B

Prepared By American Jetway Corporation
34136 Myrtle Street
Wayne, MI 48184-0126

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Revision Date 30-Jun-2023
Revision Note

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet