

Safety Data Sheet



Section 1: Identification

Product identifier

- Product Name** • Starting Fluid - Aerosol
- Synonyms** • 591095
- Product Code** • SA16-12

Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • No data available

Details of the supplier of the safety data sheet

- Manufacturer** • Gold Eagle Co.
4400 S. Kildare Avenue
Chicago, IL 60632-4372
United States
<http://www.goldeagle.com/>
- Telephone (General)** • 773-376-4400

Emergency telephone number

- Manufacturer** • 1-800-535-5053 - (INFOTRAC #22283)
- Manufacturer** • 01-352-323-3500 - INFOTRAC - International Shipments

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

- OSHA HCS 2012**
- Skin Irritation 2
 - Eye Mild Irritation 2B
 - Flammable Aerosols 1
 - Acute Toxicity Oral 4
 - Acute Toxicity Dermal 4
 - Acute Toxicity Inhalation 4
 - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
 - Specific Target Organ Toxicity Repeated Exposure 2
 - Flammable Liquids 1

Label elements

OSHA HCS 2012

DANGER



Hazard statements • Extremely flammable aerosol

Contains gas under pressure; may explode if heated
 Causes skin irritation
 Causes eye irritation
 Harmful if swallowed
 Harmful in contact with skin
 Harmful if inhaled
 Extremely flammable liquid and vapour
 May cause respiratory irritation
 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

- Prevention** • Keep away from heat, sparks, open flames and/or 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.
 Wash thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Keep out of reach of children.
 Read label before use.
 Do not eat, drink or smoke when using this product.
 Avoid breathing dust, fume, gas, mist, vapours and/or spray.
 Use only outdoors or in a well-ventilated area.
 Use only non-sparking tools.
 Wear respiratory protection.
 Ground and/or bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Take precautionary measures against static discharge.
 Do not breathe dust, fume, gas, mist, vapours and/or spray.
 Wear face protection .
 Wear protective gloves .
 Use personal protective equipment as required.
 Do not expose to temperatures exceeding 50 oC/122oF.
- Response** • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.
 IF ON SKIN: Wash with plenty of soap and water.
 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Take off contaminated clothing and wash before reuse.
 Specific treatment is urgent, see supplemental first aid information.
 Get medical advice/attention if you feel unwell.
 Evacuate area.
- Storage/Disposal** • Protect from sunlight. Store in a well-ventilated place.
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
 Store locked up.
 Maintain air gap between stacks and/or pallets.
 Store in a well-ventilated place. Keep cool.

Other hazards

OSHA HCS 2012

- No data available

Other information





Section 3 - Composition/Information on Ingredients

Substances

Mixtures

Composition				
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive
Ethyl Ether	CAS:69-28-7	0% TO 35%	NDA	OSHA HCS 2012:
Heptane	CAS:142-82-5	0% TO 65%	Inhalation-Rat LC50 • 103 g/m ³ 4 Hour(s)	OSHA HCS 2012:
Methane, 2,2'-bis(6-t-butyl-p-cresyl)-	CAS:119-47-1	0% TO 1%	Ingestion/Oral-Rat LD50 • 4880 mg/kg	OSHA HCS 2012:
Carbon dioxide	CAS:124-38-9	0% TO 6%	Inhalation-Rat LC50 • 470000 ppm 30 Minute(s)	OSHA HCS 2012:

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- Get medical attention immediately. Give artificial respiration if victim is not breathing. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin

- After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of fresh water. If irritation develops and persists, get medical attention. If skin irritation occurs: Get medical advice/attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

- If swallowed, seek medical advice immediately and show this container or label. If swallowed, DO NOT induce vomiting. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.
 - SMALL FIRES: CO₂, dry chemical, dry sand, alcohol-resistant foam.

Unsuitable Extinguishing Media

- No data available.

Firefighting Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
LARGE FIRES: Dike fire-control water for later disposal.
Keep out of low areas.
Keep unauthorized personnel away.
Stay upwind.
Ventilate closed spaces before entering.
CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.
CARGO FIRES: DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE!

Special hazards arising from the substance or mixture**Unusual Fire and Explosion Hazards**

- Contains gas under pressure; May explode if heated.
Extremely Flammable Aerosol.
Vapors may travel to source of ignition and flash back.
When heated, vapors may form explosive mixtures with air: indoors, outdoors and sewers explosion hazards.
Containers may explode when heated.
Explosive; severe projection hazard.
May be ignited by friction, heat, sparks or flames.
Vapors may form explosive mixtures with air.
Vapor explosion hazard indoors, outdoors or in sewers.

Hazardous Combustion Products

- Vapors form explosive mixtures with air: indoors, outdoors and sewers explosion hazards.

Advice for firefighters

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Section 6 - Accidental Release Measures**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

- Do not walk through spilled material. Avoid contact with skin, eyes, and clothing. Ventilate the area. Do not breathe mist, vapours and/or spray. Wear a self-contained breathing apparatus and appropriate Personal Protective Equipment (PPE)

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

Environmental precautions

- Avoid run off to waterways and sewers. Prevent spreading of vapors through sewers, ventilation systems and confined areas. Runoff from fire control or dilution water may cause pollution.

Methods and material for containment and cleaning up**Containment/Clean-up Measures**

- LARGE SPILLS: Dike far ahead of spill for later disposal.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
Do not flush to sewer or allow to enter waterways.
Use appropriate Personal Protective Equipment (PPE)
DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST
Use clean non-sparking tools to collect absorbed material.

Section 7 - Handling and Storage**Precautions for safe handling**

Handling

- Keep away from fire - No Smoking. Avoid contact with heat and ignition sources. Avoid contact with skin, eyes, and clothing. Keep from direct sunlight. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours and/or spray.

Conditions for safe storage, including any incompatibilities**Storage**

- Store in a well-ventilated place, do not store above 120 F. Store in a cool, dry, well-ventilated place. Avoid shock, impact, friction, and rough handling. Keep away from sources of ignition, flammable, oxidizing materials, and acids. No smoking in area of storage.

Section 8 - Exposure Controls/Personal Protection**Control parameters**

- Exposure Limits/Guidelines**
- No data available.

Exposure controls**Engineering Measures/Controls**

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use only appropriately classified electrical equipment.

Personal Protective Equipment**Pictograms****Respiratory**

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety glasses.

Hands

- Wear protective gloves/protective clothing/eye protection/face protection.

Skin/Body

- Wear protective gloves/protective clothing/eye protection/face protection. Wear synthetic apron.

General Industrial Hygiene Considerations

- Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties**Information on Physical and Chemical Properties**

Material Description			
Physical Form	Aerosol	Appearance/Description	No data available
Color	No data available	Odor	Solvent
Taste	No data available	Particulate Type	No data available
Particulate Size	No data available	Aerosol Type	Spray
Odor Threshold	No data available	Physical and Chemical Properties	Water white to pale yellow liquid.
General Properties			
Boiling Point	-42 C(-43.6 F)	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	No data available	Specific Gravity/Relative Density	No data available

Density	No data available	Bulk Density	No data available
Water Solubility	No data available	Solvent Solubility	Poorly soluble in water
Viscosity	No data available	Explosive Properties	No data available
Oxidizing Properties:	No data available		
Volatility			
Vapor Pressure	1.5 psi @ 20 C(68 F)	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	No data available
VOC (Vol.)	93.3 %	Volatiles (Wt.)	No data available
Volatiles (Vol.)	100 %		
Flammability			
Flash Point	-23 C(-9.4 F) TCC (Tagliabue Closed Cup)	UEL	No data available
LEL	No data available	Autoignition	No data available
Self-Accelerating Decomposition Temperature (SADT)	No data available	Heat of Combustion (ΔH_c)	No data available
Burning Time	No data available	Flame Height	No data available
Flame Extension	No data available	Ignition Distance	No data available
Flame Duration	No data available	Flammability (solid, gas)	Level 3 aerosol.

Other Information

- Vapor density is heavier than air. Evaporation rate is slower than ether.

Section 10: Stability and Reactivity

Reactivity

- Extremely flammable aerosol. Contains gas under pressure, may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition. Extremely flammable liquid and vapor. May form flammable/explosive vapor/air mixture.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization not indicated.

Conditions to avoid

- Keep away from heat, sparks, and flame.

Incompatible materials

- Strong acids. Strong oxidizing agents, amines, chlorinated compounds, and caustic materials.

Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

Information on toxicological effects

GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012 • Data lacking

Serious eye damage/Irritation	OSHA HCS 2012 • Eye Mild Irritation 2B
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal 4; Acute Toxicity - Inhalation 4; Acute Toxicity - Oral 4
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	OSHA HCS 2012 • Data lacking
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 2
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Data lacking

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - No data available
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Skin

- Acute (Immediate)**
 - May cause mild irritation.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Eye

- Acute (Immediate)**
 - Causes eye irritation.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Ingestion

- Acute (Immediate)**
 - May cause irritation. Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Section 12 - Ecological Information

Toxicity

- No data available

Persistence and degradability

- Non-mandatory section - information about this substance not complied for this reason.

Bioaccumulative potential

- Non-mandatory section - information about this substance not complied for this reason.

Mobility in Soil

- Non-mandatory section - information about this substance not complied for this reason.

Other adverse effects

- Non-mandatory section - information about this substance not complied for this reason.

Ecological Fate

- No data available.

Potential Environmental Effects • No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Flammable vapors may accumulate in the container. Handle empty containers with care because residual vapors are flammable.

Other Information

- Avoid release to the environment. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	1950	Aerosols flammable, n.o.s.(Engine Starting Fluid) (each not exceeding 1L capacity)	2.1		Not Applicable

Special precautions for user • No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Fire, Pressure(Sudden Release of)

United States

Environment

U.S. - CAA (Clean Air Act) - Accidental Release Prevention - Flammable Substances
Not Listed

Section 16 - Other Information

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Preparation Date • 31/August/2015

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