



Safety Data Sheet

Section 1: Identification

Product identifier

- Product Name** • **Octane Boost**
- Synonyms** • 590421
- Product Code** • 10406; 10410; 27208; 27230; 29225; 3020; 302055

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

- Recommended use** • Gasoline fuel additive
- Restrictions on use** • Use per the label directions

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)

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

- OSHA HCS 2012**
- Flammable Liquids 4
 - Aspiration 1
 - Eye Irritation 2A
 - Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
 - Carcinogenicity 1B
 - Reproductive Toxicity 2

Label elements

OSHA HCS 2012

DANGER



- Hazard statements** • Combustible liquid
May be fatal if swallowed and enters airways
Causes serious eye irritation
May cause drowsiness or dizziness

May cause cancer.
Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention • Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Avoid breathing mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response • In case of fire: Use appropriate media for extinction.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.
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.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/attention.

Storage/Disposal • Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition				
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive
Distillates (petroleum), hydrotreated light	CAS:64742-47-8	0% TO 45%	NDA	OSHA HCS 2012: Flam. Liq. 4; Asp. Tox. 1; STOT SE 3: Narc.
Proprietary additive	Proprietary	0% TO 17.762%	NDA	OSHA HCS 2012: Not Classified
Proprietary additive	Proprietary	0% TO 14%	Ingestion/Oral-Rat LD50 • >5000 mg/kg Skin-Rabbit LD50 • >2000 mg/kg	OSHA HCS 2012: Skin Irrit. 2; Asp. Tox. 1
Proprietary additive	Proprietary	0% TO 12.768%	NDA	OSHA HCS 2012: Not Classified
Proprietary additive	Proprietary	0% TO 4.556%	Inhalation-Rat LC50 • >590 mg/m ³ 4 Hour(s) Skin-Rabbit LD50 • >2	OSHA HCS 2012: Not Classified

			mL/kg	
Proprietary additive	Proprietary	0% TO 1.794%	Skin-Rabbit LD50 • 1970 mg/kg	OSHA HCS 2012: Flam. Liq. 4; Eye Irrit. 2; Skin Irrit. 2; Acute Tox. 4 (skin); STOT SE 3: Resp. Irrit. & Narc.
Proprietary additive	Proprietary	0% TO 1.794%	NDA	OSHA HCS 2012: Not Classified
Ferrocene	CAS:102-54-5	0% TO 1%	NDA	OSHA HCS 2012: Comb. Dust; Acute Tox. 4 (oral)
Proprietary additive	Proprietary	< 0.7%	NDA	OSHA HCS 2012: Skin Irrit. 2
Proprietary additive	Proprietary	< 0.6%	NDA	OSHA HCS 2012: Not Classified
Proprietary additive	Proprietary	0% TO 0.396%	Ingestion/Oral-Rat LD50 • 5 g/kg Inhalation-Rat LC50 • 18000 mg/m ³ 4 Hour(s)	OSHA HCS 2012: Flam. Liq. 3; STOT RE 2 (Blood); STOT SE 3: Narc.
Proprietary additive	Proprietary	0% TO 0.34808%	Skin-Rabbit LD50 • >20 g/kg Ingestion/Oral-Rat LD50 • 490 mg/kg	OSHA HCS 2012: Flam. Sol. 2; Acute Tox. 4 (Oral); Skin Irrit. 2; Muta. 2; Carc. 2; Repr. 2; STOT SE 3: Narc.; STOT RE 1 (Blood, Eyes - Oral, Inhl)
Proprietary additive	Proprietary	0% TO 0.09%	Inhalation-Rat LC50 • 24000 mg/m ³ 4 Hour(s) Ingestion/Oral-Rat LD50 • 5000 mg/kg	OSHA HCS 2012: Exposure limit(s)
Proprietary additive	Proprietary	< 0.00000616%	Inhalation-Rat LC50 • 10000 ppm 7 Hour(s) Skin-Rabbit LD50 • >9400 µL/kg Ingestion/Oral-Rat LD50 • 1800 mg/kg	OSHA HCS 2012: Exposure limit(s)

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. Remove and isolate contaminated clothing. Wash skin with soap and water.

Eye

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Get medical attention immediately.

Ingestion

- 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 • Use halon replacement or carbon dioxide extinguishers or alcohol foam for small fires.

Large fires should be extinguished with alcohol foam.

Unsuitable Extinguishing Media

- Water spray or fog can cool fire but may not be effective in extinguishing fire.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Containers may explode when heated.
Vapor explosion hazard indoors, outdoors or in sewers.
Combustible material: may burn but does not ignite readily.
Many liquids are lighter than water.
Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
Runoff to sewer may create fire or explosion hazard.
Vapors may form explosive mixtures with air.
Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products

- No data available

Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection.
Wear positive pressure self-contained breathing apparatus (SCBA).
Move containers from fire area if you can do it without risk.
LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Ventilate enclosed areas. Do not walk through spilled material. Use appropriate Personal Protective Equipment (PPE) Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Use clean non-sparking tools to collect absorbed material.
A vapor suppressing foam may be used to reduce vapors.
All equipment used when handling the product must be grounded.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Use only in well ventilated areas. Avoid contact with heat and ignition sources. Take precautionary measures against static charges. Do not use sparking tools. All equipment used when handling the product must be grounded. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours, spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage

- Store in a tightly closed container. Keep away from sources of ignition, flammable, oxidizing materials, and acids. Store in a well-ventilated place. Store in an area equipped with automatic sprinklers or fire extinguishing system. Empty containers contain product residues, assume emptied containers to have same hazards as full containers.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Ferrocene (102-54-5)	TWAs	10 mg/m ³ TWA (as Fe)	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Proprietary additive (Proprietary)	TWAs	10 ppm TWA	10 ppm TWA; 50 mg/m ³ TWA	10 ppm TWA; 50 mg/m ³ TWA
	STELs	15 ppm STEL	15 ppm STEL; 75 mg/m ³ STEL	Not established
Proprietary additive (Proprietary)	TWAs	Not established	25 ppm TWA; 125 mg/m ³ TWA	Not established
Proprietary additive (Proprietary)	TWAs	Not established	25 ppm TWA; 125 mg/m ³ TWA	Not established
Proprietary additive (Proprietary)	Ceilings	Not established	Not established	25 ppm Ceiling
	STELs	2.5 ppm STEL	1 ppm STEL	5 ppm STEL (see 29 CFR 1910.1028)
	TWAs	0.5 ppm TWA	0.1 ppm TWA	10 ppm TWA (applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028); 1 ppm TWA

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

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear chemical splash safety goggles.

Hands

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

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Amber to brown liquid with a solvent odor.
Color	Amber to brown.	Odor	Solvent
Odor Threshold	No data available		
General Properties			
Boiling Point	> 180 F(> 82.2222 C)	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	= 0.862 Water=1	Water Solubility	Negligible < 0.1 %
Viscosity	3.5 Centistoke (cSt, cS) or mm ² /sec @ 40 C(104 F)		
Volatility			
Vapor Pressure	< 1 mmHg (torr)	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Vol.)	100 %
Volatiles (Vol.)	100 %		
Flammability			
Flash Point	> 141.5 F(> 60.8333 C)	UEL	6 %
LEL	1 %	Autoignition	No data available
Flammability (solid, gas)	Not relevant.		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Excess heat. Incompatible materials.

Incompatible materials

- Strong oxidizing agents, aluminum, zinc, or metals that displace hydrogen, rubber and rubber based coatings, acid, and perchlorates.

Hazardous decomposition products

- None known.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Ferrocene (0% TO 1%)	102-54-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 1320 mg/kg; Multi-dose Toxicity: Inhalation-Rat TClO • 36 mg/m ³ 2 Week(s)-Intermittent; <i>Liver:Changes in liver weight;</i> <i>Nutritional and Gross Metabolic:Gross Metabolite Changes:Weight loss or decreased weight gain;</i>

		Mutagen: DNA damage • Ingestion/Oral-Rat • 202.5 g/kg 1 Year(s)-Intermittent
Proprietary additive (0% TO 4.556%)	Proprietary	Acute Toxicity: Inhalation-Rat LC50 • >590 mg/m ³ 4 Hour(s); Skin-Rabbit LD50 • >2 mL/kg; Behavioral:Somnolence (general depressed activity); Behavioral:Changes in motor activity (specific assay); Behavioral:Irritability; Irritation: Skin-Rabbit • 500 µL 24 Hour(s) • Mild irritation
Proprietary additive (0% TO 0.34808%)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 490 mg/kg; Ingestion/Oral-Mouse TDLo • 158 mg/kg; Brain and Coverings:Other degenerative changes; Liver:Other changes; Biochemical:Metabolism (intermediary):Lipids, including transport; Inhalation-Human TCLo • 250 mg/m ³ ; Sense Organs and Special Senses:Eye:Lacrimation; Behavioral:Headache; Skin-Rat LD50 • >2500 mg/kg; Irritation: Skin-Rabbit • 0.05 mL 24 Hour(s) • Severe irritation; Multi-dose Toxicity: Ingestion/Oral-Rat TDLo • 500 mg/kg 10 Day(s)-Intermittent; Behavioral:Sleep; Lungs, Thorax, or Respiration:Dyspnea; Ingestion/Oral-Rat TDLo • 4500 mg/kg 10 Day(s)-Intermittent; Brain and Coverings:Other degenerative changes; Mutagen: Cytogenetic analysis • Unreported Route-Hamster • Ovary (Somatic cell) • 30 mg/L; Micronucleus test • Unreported Route-Human • Lymphocyte (Somatic cell) • 30 mg/L; Reproductive: Ingestion/Oral-Mouse TDLo • 2400 mg/kg (7-14D preg); Reproductive Effects:Effects on Newborn:Live birth index; Reproductive Effects:Effects on Newborn:Viability index (e.g., # alive at day 4 per # born alive); Ingestion/Oral-Rat TDLo • 4500 mg/kg (6-15D preg); Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus); Reproductive Effects:Specific Developmental Abnormalities:Other developmental abnormalities; Tumorigen / Carcinogen: Inhalation-Mouse TCLo • 30 ppm 6 Hour(s) 2 Year(s)-Intermittent; Tumorigenic:Neoplastic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors; Inhalation-Rat TCLo • 30 ppm 6 Hour(s) 105 Week(s)-Intermittent; Tumorigenic:Equivocal tumorigenic agent by RTECS criteria; Sense Organs and Special Senses:Olfaction:Tumors; Inhalation-Rat TCLo • 60 ppm 6 Hour(s) 105 Week(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Sense Organs and Special Senses:Olfaction:Tumors; Inhalation-Rat TCLo • 1575 mg/kg 105 Week(s)-Intermittent; Tumorigenic:Carcinogenic by RTECS criteria; Sense Organs and Special Senses:Olfaction:Tumors
Proprietary additive (0% TO 0.396%)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 5 g/kg; Inhalation-Rat LC50 • 18000 mg/m ³ 4 Hour(s); Multi-dose Toxicity: Inhalation-Rat TCLo • 100 ppm 6 Hour(s) 20 Day(s)-Intermittent; Behavioral:Changes in motor activity (specific assay); Behavioral:Analgesia; Behavioral:Alteration of operant conditioning; Mutagen: Sister chromatid exchange • Intraperitoneal-Mouse • 900 mg/kg
Proprietary additive (0% TO 1.794%)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 3730 mg/kg; Skin-Rabbit LD50 • 1970 mg/kg; Irritation: Eye-Rabbit • 20 mg • Severe irritation; Skin-Rabbit • 0.5 mL • Severe irritation; Multi-dose Toxicity: Ingestion/Oral-Rat TDLo • 2970 mg/kg 9 Day(s)-Intermittent; Behavioral:Changes in motor activity (specific assay); Behavioral:Ataxia; Behavioral:Muscle contraction or spasticity; Reproductive: Ingestion/Oral-Rat TDLo • 1628 mg/kg (12D preg); Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system; Reproductive Effects:Specific Developmental Abnormalities:Urogenital system; Tumorigen / Carcinogen: Ingestion/Oral-Mouse TDLo • 270000 mg/kg 72 Week(s)-Intermittent; Tumorigenic:Equivocal tumorigenic agent by RTECS criteria; Liver:Tumors; Tumorigenic:Increased incidence of tumors in susceptible strains
Proprietary additive (0% TO 14%)	Proprietary	Irritation: Skin-Rabbit • 500 mg • Severe irritation
Proprietary additive (< 0.7%)	Proprietary	Multi-dose Toxicity: Skin-Rabbit TDLo • 24 g/kg 28 Day(s)-Intermittent; Skin and Appendages:After systemic exposure:Dermatitis, other; Nutritional and Gross Metabolic:Gross Metabolite Changes:Weight loss or decreased weight gain; Tumorigen / Carcinogen: Skin-Mouse TDLo • 480 g/kg 80 Week(s)-Intermittent; Tumorigenic:Neoplastic by RTECS criteria; Skin and Appendages:Other:Tumors; Tumorigenic:Tumors at site of application

GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Irritation 2A
Acute toxicity	OSHA HCS 2012 • No data available

Aspiration Hazard	OSHA HCS 2012 • Aspiration 1
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1B
Skin corrosion/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • No data available
STOT-RE	OSHA HCS 2012 • No data available
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction	OSHA HCS 2012 • Toxic to Reproduction 2
Germ Cell Mutagenicity	OSHA HCS 2012 • No data available

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.
- Chronic (Delayed)**
 - No data available.

Skin

- Acute (Immediate)**
 - Material is classified as non-irritant and non-corrosive using GHS criteria.
- Chronic (Delayed)**
 - No data available.

Eye

- Acute (Immediate)**
 - Causes serious eye irritation.
- Chronic (Delayed)**
 - No data available.

Ingestion

- Acute (Immediate)**
 - Material may be aspirated into lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.
- Chronic (Delayed)**
 - No data available.

Carcinogenic Effects

- Suspected of causing cancer. This product contains components that are considered carcinogenic by OSHA, IARC, NTP.

Carcinogenic Effects				
	CAS	OSHA	IARC	NTP
Proprietary additive	Proprietary	Not Listed	Group 2B-Possible Carcinogen	Reasonably Anticipated to be Human Carcinogen
Proprietary additive	Proprietary	Specifically Regulated Carcinogen	Group 1-Carcinogenic	Known Human Carcinogen

Reproductive Effects

- Animal tests for components have shown adverse reproductive effects.

Key to abbreviations

LD = Lethal Dose
 TC = Toxic Concentration
 TD = Toxic Dose

Section 12 - Ecological Information

Toxicity

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

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.

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.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user

- None specified.

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, Chronic, Fire

Inventory		
Component	CAS	TSCA
Proprietary additive	Proprietary	Yes
Proprietary additive	Proprietary	Yes
Proprietary additive	Proprietary	Yes
Proprietary additive	Proprietary	Yes
Proprietary additive	Proprietary	Yes
Distillates (petroleum), hydrotreated light	64742-47-8	Yes
Ferrocene	102-54-5	Yes
Proprietary additive	Proprietary	Yes
Proprietary additive	Proprietary	Yes
Proprietary additive	Proprietary	Yes

Proprietary additive	<i>Proprietary</i>	Yes
Proprietary additive	<i>Proprietary</i>	Yes

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	5 ppm STEL (See 29 CFR 1910.1028, 15 min); 0.5 ppm Action Level; 1 ppm TWA
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	(including Benzene from gasoline)
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CAA (Clean Air Act) - Accidental Release Prevention - Flammable Substances

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
---	------------	------------

• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CAA (Clean Air Act) - Accidental Release Prevention - Toxic Substances

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	100 lb final RQ; 45.4 kg final RQ
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule); 4.54 kg final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule)
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	0.1 % de minimis concentration
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	0.1 % de minimis concentration
• Proprietary additive	<i>Proprietary</i>	1.0 % de minimis concentration
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CWA (Clean Water Act) - Hazardous Substances

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
---	------------	------------

• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - CWA (Clean Water Act) - Toxic Pollutants

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	carcinogen, initial date 4/19/02
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	carcinogen, initial date 2/27/87
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	developmental toxicity, initial date 12/26/97
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	24 µg/day MADL (oral); 49 µg/day MADL (inhalation)
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	5.8 µg/day NSRL
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	6.4 µg/day NSRL (oral); 13 µg/day NSRL (inhalation)
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Ferrocene	102-54-5	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed
• Proprietary additive	<i>Proprietary</i>	Not Listed

- Proprietary additive
- Proprietary additive
- Proprietary additive
- Proprietary additive
- Proprietary additive
- Proprietary additive
- Proprietary additive
- Proprietary additive

Proprietary
Proprietary
Proprietary
Proprietary
Proprietary
Proprietary
Proprietary
Proprietary

male reproductive toxicity,
 initial date 12/26/97

Not Listed
 Not Listed
 Not Listed
 Not Listed
 Not Listed
 Not Listed
 Not Listed

Other Information

- **WARNING:** This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Section 16 - Other Information

Revision Date

- 09/September/2015

Preparation Date

- 09/September/2015

Other Information

- Schedule B Number: 3811.19.0000.

Disclaimer/Statement of Liability

- Information presented herein is believed to be factual, as it has been derived from the works and opinions of persons believed to be qualified experts. However, nothing contained in this information is to be taken as warranty or representation for which the Gold Eagle Co. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Key to abbreviations

NDA = No Data Available