

Gibbs aerosol Penetrant

MSDS Number: 1000031164

Revision Date: 6/12/2017

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Apollo Technologies, Inc
1850 S.Cobb Industrial Pkwy.
Smyrna, GA 30082

Vendor

Gibbs Brands

Phone: 770-433-0210
Web: <http://www.apolloind.com>

2 HAZARDS IDENTIFICATION

GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Aerosols, 2
Health, Aspiration hazard, 1
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Reproductive toxicity, 2
Health, Germ cell mutagenicity, 1
Health, Carcinogenicity, 2
Physical, Flammable Aerosols, 1

GHS Phrases:

H223 - Flammable aerosol
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or the unborn child
H340 - May cause genetic defects
H351 - Suspected of causing cancer
H229 - Pressurized container: may burst if heated

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P251 - Pressurized container: Do not pierce or burn, even after use.
P262 - Do not get in eyes, on skin, or on clothing.
P281 - Use personal protective equipment as required.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.
Continue rinsing.

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P306+360 - IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.

P341 - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P361 - Remove/Take off immediately all contaminated clothing.

P363 - Wash contaminated clothing before reuse.

P371+380+375 - In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
64742-47-8	15-30%	Distillates, petroleum, hydrotreated light
8042-47-5	10-20%	White mineral oil, petroleum
142-82-5	15-30%	Heptane
124-38-9	<5%	Carbon dioxide

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FIRST AID MEASURES

Inhalation: Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.

Skin Contact: Wash with soap and water. If skin irritation persists, call a physician immediately. Remove contaminated clothing and wash before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

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5 FIRE FIGHTING MEASURES

Flammability:	Flammable aerosol (Level 3 storage)
Flash Point:	Flammable aerosol
Flash Point Method:	Aerosol Flame Projection
Burning Rate:	Not available
Autoignition Temp:	Not available
LEL:	N/D
UEL:	N/D

Means of Extinguishment:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

7 HANDLING AND STORAGE

Handling Precautions: HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

Storage Requirements: Store in accordance with NFPA 30B for LEVEL 1, 2, or 3 AEROSOL. Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use ventilation adequate to keep exposures below recommended exposure limits. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equip: Eye Protection: Wear eye/face protection.
Hand Protection: Wear suitable gloves.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

INGREDIENTS	EXPOSURE LIMITS		
	OSHA-PEL	ACGIH-TLV	OTHER
White mineral oil, petroleum	5mg/cu meter	5mg/cu meter	
Distillates, petroleum, hydrotreated light	No data	200ppm	
Heptane	500ppm	400ppm	
Carbon dioxide	5000ppm	5000ppm	

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, red liquid	Odor:	Solvent odor
Physical State:	Mixture packaged in pressurized aerosol sp	Molecular Formula:	Not available
Odor Threshold:	Not available	Solubility:	Insoluble in water
Particle Size:	Not available	Softening Point:	Not available
Spec Grav./Density:	0.796 (conc.)	Percent Volatile:	100%
Viscosity:	Not available	Heat Value:	Heat of combustion 32.8 Kj/g
Sat. Vap. Conc.:	Not available	Freezing/Melting Pt.:	Not available
Boiling Point:	Not available	Flash Point:	Flammable per Flame Projection Test
Flammability:	Flammable aerosol	Octanol:	Not Available
Partition Coefficient:	Not available	Vapor Density:	Not available
pH:	Not applicable	VOC:	23.86%
Evap. Rate:	Not available	Bulk Density:	Not available
Molecular weight:	Not available	Auto-Ignition Temp:	Not available
Decomp Temp:	Not available	UFL/LFL:	Not available

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Do not puncture or incinerate container. Heat, sparks, open flames and temperatures above 120°F
Materials to Avoid:	Avoid contact with excess heat, strong acids and alloys like aluminum.
Hazardous Decomposition:	CO, CO ₂ , and hydrocarbons.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

No product toxicological information is available.

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12 ECOLOGICAL INFORMATION

No product ecological information is available.

13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility. Before offering for recycling, empty the container by using the product according to the label.

If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with regulations.

14 TRANSPORT INFORMATION

DOT Class: Flammable Gas (2.1) #2.1

UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, flammable (each not exceeding 1 L capacity)

DOT

UN Number	UN1950
UN proper shipping name	flammable gas
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	III

IATA

UN Number	UN1950
UN proper shipping name	Flammable gas
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	III
Environmental hazards	No
Other information	
Passenger and cargo aircraft	Allowed
Cargo aircraft only	Allowed

IMDG

UN Number	UN1950
UN proper shipping name	Flammable gas
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	IIIe
Environmental hazards	No

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Distillates, petroleum, hydrotreated light (64742478 15-30%) TSCA

*White mineral oil, petroleum (8042475 10-20%) TSCA

*Heptane (142825 15-30%) MASS, OSHAWAC, PA, TSCA, TXAIR

*Carbon dioxide (124389 n/a%) MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

TSCA = Toxic Substances Control Act

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

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OTHER INFORMATION

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