

SAFETY DATA SHEET



Issue Date: 5/19/2020
Revision Number: 001.7

1. PRODUCT AND COMPANY INFORMATION

Product Name:	12/34 Miracle Formula® Aerosol Meets MIL-PRF-81309	Item number(s):	01-02
Product Type:	Lubricant / Corrosion Preventive Compound	NSN:	8030-01-603-2131
Restriction of Use:	None Identified	Region(s):	U.S.A
Company Address:	Armite Laboratories Inc. dba Armite Lubricants 1218 Commerce Court Suite B Lafayette, CO 80026	Telephone:	(949) 646-9035
		Fax:	(949) 646-8319
		Product Emergency:	CHEM-TEL 800-225-3924

2. HAZARD IDENTIFICATION

Signal Word	Hazard Class	Hazard Category	Pictogram(s)
DANGER	Aspiration Hazard	1	
	Skin Irritant	3	
	Aerosol (Gases under pressure)	3	

Hazard Statements:

May be fatal if swallowed or enters airways.
Pressurized container: may burst if heated.
May cause mild skin irritation.

Precautionary Statements Aspiration hazard if swallowed – can enter lungs and cause damage.

Prevention:

Keep away from heat, hot surfaces, sparks, open flames or other ignition sources. No smoking. Do not pierce or burn, even after use. Pressurized container. Wash hands thoroughly after handling. Wear protective gloves/eye protection/face protection.

Response: If Swallowed: Immediately call POISON CENTER/doctor. Do NOT induce vomiting. Aspiration hazard.

If Inhaled: Remove person to well ventilated area. Seek medical attention if feeling unwell.

If on Skin: Wash with plenty of soap and water. If skin irritation occurs: get medical attention/advice

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to remove, and continue to rinse.

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

Disposal: Dispose of contents/container in accordance with Federal, State & Local rules & regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS Number	Percentage*
Solvent Naphtha (Petroleum), Medium Aliphatic (Aspiration toxicity)	64742-88-7	30 - 50
Hydrotreated Light Distillates (petroleum) (Aspiration Toxicity)	64742-47-8	20 - 40

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Component(s)	CAS Number	Percentage*
Mixture – Petroleum Distillates, hydrotreated heavy paraffinic <80% Petroleum Distillates, hydrotreated heavy naphthenic <30% 2,6 Di-tert-butyl-p-cresol <3%	064742-54-7 064742-52-5 128-37-0	15 - 30
Performance Additive Mixture – [Petroleum distillates (proprietary 30 - 60) (Skin Irritant) Mineral Oil (mixture 10 -19.9) Alkaryl phosphate (proprietary 1- 4.9)]	Mixture Mixture Proprietary	0.5 – 2.5
Tech. Mask #000158-1058	124-38-9	< 0.05
Non hazardous components	Propriety mixture	Balance

*Exact percentage is a trade secret, concentration range is provided to assist user in providing appropriate protections.

4. FIRST AID MEASURES

In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.

Skin contact: Wash with soap and water. If symptoms develop and persist, seek medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Symptoms: Dizziness, difficulty in breathing, skin redness or rash. This product is an aspiration hazard.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Special firefighting procedures: Water spray may be ineffective. Oil will float on water and can spread fire. Do not allow runoff and contaminants from fire fighting to enter drains or water course.

Unusual fire or explosion hazard: Combustible – US & Canada. VAPOR MAY CAUSE FLASH FIRE. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flashback. Closed container may explode when exposed to extreme heat.

Hazardous combustion products: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Contain spilled material. Remove any ignition source. Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewer or waterways.

Clean-up method: Contaminated surfaces will be extremely slippery. Contain & absorb spillage with non-combustible material e.g sand, earth, vermiculite. Place in closed containers outside building and dispose of in accordance with local waste regulation. Clean residue with soap & water.

Do not allow spills to enter drains or water courses. If drains become contaminated, inform local water officials immediately. In the case of contamination into streams or waterways, also inform the EPA.

Dispose of in accordance with all federal, state and local environmental regulations.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact. Use with adequate ventilation. Wash hands thoroughly with soap & water after handling.

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Storage: Store locked up. Store in a dry, well ventilated area. Store at room temperature and out of direct sunlight. Store empty containers as if they were full.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit values.

Skin protection: Wear chemical resistant gloves if sensitive. Gloves should be inspected before each use and discarded if they become worn.

Eye/Face Protection: Wear safety goggles to prevent material from entering eyes.

Respiratory Protection: Use NIOSH/OSHA approved respirator where there is the potential to exceed the exposure limits.

In the absence of occupational exposure standards for Solvent Naphtha (Petroleum), Medium Aliphatic –Stoddard Solvent is listed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	NIOSH	Canada /EU
Solvent Naphtha (Petroleum), Medium Aliphatic (Stoddard Solvent)	100ppm	500 ppm 2,900 mg/m3	Unknown	
2,6 Di-tert-butyl-p-cresol	2 mg/m3 TWA	No Established Limits	TWA 10 mg/m3	
Mineral Oil Other Information: DMSO extract by IP346: Less than 3.0 wt.% (mineral oil component only)	TWA: 5 mg/m3 STEL: 10 mg/m3 (oil mist)	TWA: 5 mg/m3 (oil mist)	Unknown	TWA: 5 mg/m3 (Canada) STEL: 10 mg/m3 TWA: 5 mg/m3 (Canada) STEL: 10 mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol	Vapor density: Heavier than air	Evaporation rate: Unknown
Color: Light amber	Flash point: $\geq 140^{\circ}\text{F}$	Partition coefficient (n-octanol/water): Not determined
Odor: Mild, petroleum	VOC content: Not Determined	
Odor Threshold: Not available	Boiling point / range: Not available	Flammable/Explosive limits
pH: Not available	Melting point /range: Not available	Lower limits: Not available
Vapor pressure: Not available	Solubility in water: Not soluble	Upper limits: Not available
Specific gravity: Unknown	Auto ignition temp: Not determined	
Viscosity: Not available		

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions and ambient temps. Reactivity: Not available. Hazardous reactions: Not likely to occur. Conditions to avoid: High temperatures, sparks and open flames.	Incompatible materials: Not known Hazardous decomposition product: Not available
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11. TOXICOLOGICAL INFORMATION

This mixture has not been tested as a whole for health effects.

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Relevant routes of exposure: Skin, Eyes, Ingestion, Inhalation

Potential Health Effects/Symptoms

- Inhalation:** Inhalation of vapors may cause irritation.
- Skin contact:** May cause mild skin irritation.
- Eye contact:** May cause eye irritation.
- Ingestion:** May be fatal if swallowed and enters airways.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Effects
2,6 Di-tert-butyl-p-cresol	>2000 mg/kg,Rat (Oral)	Not Available
Petroleum Distillates,Hydrotreated Heavy naphthenic (64742-52-5)	> 5,000 mg/kg, Rat (Oral) / 5,000, Rabbit (Dermal)	Not Available
Petroleum Distillates,Hydrotreated Heavy Paraffin (64742-54-7)	> 5,000mg/kg, Rat (Oral) / 5,000, Rabbit (Dermal)	Not Available
Performance Additive (HiTEC 515)	>14,430 mg/kg Rat (Oral) >20,000mg/kg (Rabbit) Dermal)	Not Available
Solvent Naphtha (Petroleum), Medium Aliphatic (Stoddard Solvent)	>2000mg/kg Rat (Oral) / >2000mg/kg Rat (Dermal)	Not Available
Cinnamaldehyde (104-55-2) Coumarin (91-64-5)	2500 ATE (Oral) / 1100 ATE (Dermal) 500 ATE (Oral)	Not Available Not Available

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
2,6 Di-tert-butyl-p-cresol	None	Group 3: Yes	None

12. ECOLOGICAL INFORMATION

Ecological Information:	<u>96 hr LC50 fish mg/l</u>	<u>48 hr EC50 crustacea mg/l</u>	<u>Er50 algae aquatic plants, mg/l</u>
Petroleum Distillates,Hydrotreated Heavy naphthenic (64742-52-5):	5,000 Onocorhynchus Mykiss	1,000, Daphina magna	Not available
Solvent Naphtha (Petroleum), Medium Aliphatic (Practically non toxic):	>100 (fish)	>100 (crustacean)	>100 mg/l (algae/aquatic plant)

Mobility in Soil: No data available

Bioaccumulative Potential: Not Available

Persistence and degradability: This product contains components which may be persistent in the environment.

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Consult Federal, State and local regulations regarding disposal methods. Dispose of in accordance with appropriate Federal, State and local environmental regulations. Do not allow to enter streams, waterways, or drain systems.

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Do not reuse containers.

14. TRANSPORTATION INFORMATION

US DOT (49 CFR) – Aerosols LTD QTY (ORM D)

IATA and IMDG - Aerosols – Non-Flammable

Proper shipping name: Aerosols –Non Flammable

Hazard class or division: 2.2

Identification number: UN 1950

Packaging Group: N/A

Emergency Response Guide 126

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA All components are listed or are exempt from listing on the (Toxic Substance Control Act) Inventory.

CERCLA – No components listed.

SARA Section 311/312 Hazard Categories:

SARA Section 313: This product does not contain any chemicals which are subject to reporting requirements of the Act.

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

16. OTHER INFORMATION

HMIS: Health Hazard 1 Flammability 2 Reactivity 0

Prepared by: Armite Laboratories Inc

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