

SAFETY DATA SHEET

Revision Date: 11/15/2016
Revision Number: 001.4

NOT FOR SALE IN CALIFORNIA



1. PRODUCT AND COMPANY INFORMATION

Product Name:	12/34 Miracle Formula® Meets MIL-PRF-81309	Item number(s):	01-03, 01-04, 01-05
Product Type:	Lubricant / Corrosion Preventive Compound	NSN(s):	8030-00-213-3279 (1 Gal) 8030-00-262-7358 (5 Gal) 8030-00-524-9487 (Drum)
Restriction of Use:	None Identified	Region(s):	U.S.A
Company Address:	Armite Laboratories Inc. 1560 Superior Ave Ste. A-4 Costa Mesa, CA 92627	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)
WARNING	Aspiration Hazard	1	
	Skin Irritation	3	
	Flammable Liquids	4	

Hazard Statements: May be fatal if swallowed or enters airways.
Causes skin irritation.
Combustible Liquid (USA & Canada)

Precautionary Statements

Prevention: Wash hands thoroughly after handling.
Wear protective gloves/eye protection/face protection.

Response:

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.

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

Storage: Store in a cool well ventilated place.

Disposal: Follow Federal, State & Local rules & regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS Number	Percentage*
Solvent Naphtha (Petroleum), Medium Aliphatic	64742-88-7	50-70
Mixture – Petroleum Distillates, hydrotreated heavy paraffinic	064742-54-7	20 - 30
Petroleum Distillates, hydrotreated heavy naphthenic	064742-52-5	
2,6 Di-tert-butyl-p-cresol	128-37-0	

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Component(s)	CAS Number	Percentage*
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	2 – 4
Tech. Mask (fragrance)	Propriety mixture	< 0.05
Non hazardous components	Propriety mixture	5-10

*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: See section 11.

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

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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

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

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. 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/m ³		
2,6 Di-tert-butyl-p-cresol	2 mg/m ³ TWA	No Established Limits	TWA 10 mg/m ³	
Mineral Oil Other Information: DMSO extract by IP346: Less than 3.0 wt.% (mineral oil component only)	TWA: 5 mg/m ³ STEL: 10 mg/m ³ (oil mist)	TWA: 5 mg/m ³ (oil mist)		TWA: 5 mg/m ³ (Canada) STEL: 10 mg/m ³ TWA: 5 mg/m ³ (Canada) STEL: 10 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid	Vapor density: Heavier than air	Evaporation rate: Less than butyl acetate
Color: Light Amber	Flash point: >145°F	Partition coefficient (n-octanol/water): Not determined
Odor: Mild, petroleum	VOC content: Not determined	Flammable/Explosive limits: Not available
Odor Threshold: Not available	Boiling point / range: Not available	Lower limits: Not available
pH: Not available	Melting point /range: Not available	Upper limits: Not available
Vapor pressure: Not available	Solubility in water: Negligible	
Specific gravity: Not available	Auto ignition temp: Not determined	
Viscosity: Not available		

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions and ambient temps.	Incompatible materials: Oxidizing agents. Strong acids & reducing agents.
Reactivity: Not available.	Hazardous decomposition product: CO and CO ₂
Hazardous reactions: Not likely to occur.	
Conditions to avoid: High temperatures, sparks and open flames.	

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11. TOXICOLOGICAL INFORMATION

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

Relevant routes of exposure: Skin, Eyes

Potential Health Effects/Symptoms

- Inhalation:** Inhalation of vapors may cause irritation.
- Skin contact:** Causes 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)	2500 ATE (Oral) / 1100 ATE (Dermal)	Not Available
Coumarin (91-64-5)	500 ATE (Oral)	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.

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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.

Do not reuse containers.

14. TRANSPORTATION INFORMATION

US DOT (49 CFR) – Not regulated under 49 CFR is in a container of 119 gallon capacity or less.

IATA / IMDG – This material is not classified as dangerous under IMDG or IATA regulations.

For containers over 119 gallons:

Proper shipping name: Petroleum Distillates, n.o.s

Hazard class or division: Combustible liquid Contains Oil

Identification number: UN 1268

Packing group: III Emergency Response Guide 128

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.

Canada Regulatory Information

Canada DSL.NDSL Status:

16. OTHER INFORMATION

HMIS: Health Hazard 1 Flammability 2 Reactivity 0

Prepared by: Armite Laboratories Inc

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