

12/3/2018

# SAFETY DATA SHEET

Napa Mac's Dry Graphite  
Film Lubricant Quick  
Drying Formula Heat Wear  
& Rust Resistant 1413

## 1. Identification

**Product number** 1000028758  
**Product identifier** 9 OZ MACS 1413 DRY GRAPH FLM LUB LT 12PK  
**Company information** NAPA Balkamp  
2601 Stout Heritage Parkway  
Plainfield, IN 46168 United States  
**Company phone** General Assistance 1-317-754-3900  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 01  
**Recommended use** LUBRICANT  
**Recommended restrictions** None known.

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable aerosols	Category 1
<b>Health hazards</b>	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effect
	Aspiration hazard	Category 1
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



**Signal word**

Danger

**Hazard statement**

Extremely flammable aerosol. May be fatal if swallowed and enters airways.  
Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or  
of damaging fertility or the unborn child.

Hazardous to the aquatic environment,  
long-term hazard

Category 2

**Hazard(s) not otherwise  
classified (HNOC)**

None known.

**Supplemental information**

None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number
Isobutane		75-28-5
Acetone		67-64-1
Heptane, branched, cyclic and linear		426260-76-6
Naphtha (petroleum), Hydrotreated Light		64742-49-0
Propane		74-98-6
Solvent Naphtha (Petroleum), Light Aliphatic		64742-89-8
Cyclohexane		110-82-7
Graphite		7782-42-5
n-Hexane		110-54-3
Octane		111-65-9

Other components below reportable levels

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer artificial respiration if needed. Call a POISON CENTER or doctor/physician.

#### Skin contact

Remove contaminated clothing. Wash with plenty of soap and water. If serious, get medical advice/attention. Wash contaminated clothing before reuse.

#### Eye contact

If eye irritation persists: Get medical advice/attention.

#### Ingestion

Call a physician or poison control center immediately. Do not induce vomiting. Keep head low so that stomach content doesn't get into the lungs.

#### Most important symptoms/effects, acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. May cause dizziness, headache, nausea, vomiting. Severe eye irritation. Symptoms may include redness, swelling, and blurred vision. Skin irritation. May cause redness.

#### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind appropriate protective equipment and clothing during clean-up. Avoid breathing damaged containers or spilled material unless wearing appropriate protective equipment. Do not enter closed spaces before entering them. Local authorities should be advised if the material cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so safely. Move the cylinder to a safe and open area if the leak is irreparable. Stop vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Eliminate fire sources (no smoking, flares, sparks, or flames in immediate area). Keep fire extinguishers (water, foam, CO<sub>2</sub>, etc.) away from spilled material. Prevent entry into waterways, sewers, basins, or confined areas. Cover with plastic sheet to prevent spreading. Absorb in earth and place into containers. Following product recovery, flush area with water.

### Environmental precautions

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean and remove residual contamination. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of environmental releases. Prevent further leakage or spillage if safe to do so.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after repair button is missing or defective. Do not spray on a naked flame or any other source of ignition. Do not smoke while using or until sprayed surface is thoroughly dry. Do not grind, or expose containers to heat, flame, sparks, or other sources of ignition. When handling the product must be grounded. Do not re-use empty containers. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women should not handle this product. Should be handled in closed systems, if possible. Use in a well-ventilated area. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Level 3 Aerosol.

### Conditions for safe storage, including any incompatibilities

Store locked up. Pressurized container. Protect from sunlight and do not exceed 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle near flame, heat or other sources of ignition. This material can accumulate static charge and cause spark and become an ignition source. Store in a well-ventilated place. Do not store with incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Acetone (CAS 67-64-1)	PEL	2400 mg/m <sup>3</sup> 1000 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Graphite (CAS 7782-42-5)	TWA	2 mg/m <sup>3</sup>
Isobutane (CAS 75-28-5)	STEL	1000 ppm
n-Hexane (CAS 110-54-3)	TWA	50 ppm
Octane (CAS 111-65-9)	TWA	300 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	590 mg/m <sup>3</sup> 250 ppm
Cyclohexane (CAS 110-82-7)	TWA	1050 mg/m <sup>3</sup> 300 ppm
Graphite (CAS 7782-42-5)	TWA	2.5 mg/m <sup>3</sup>
Isobutane (CAS 75-28-5)	TWA	1900 mg/m <sup>3</sup> 800 ppm
n-Hexane (CAS 110-54-3)	TWA	180 mg/m <sup>3</sup> 50 ppm
Octane (CAS 111-65-9)	Ceiling	1800 mg/m <sup>3</sup> 385 ppm
	TWA	350 mg/m <sup>3</sup> 75 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m <sup>3</sup> 1000 ppm

**Biological limit values**

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedio n, without hydrolysis	Urine	*

\* - For sampling details, please see the source document.

**Exposure guidelines**

**US - California OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Appropriate engineering controls**

Eye wash facilities and emergency shower must be available when hand

<b>Form</b>	Aerosol.
<b>Color</b>	Not available.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	90.45 °F (32.47 °C) estimated
<b>Flash point</b>	-99.4 °F (-73.0 °C) PROPELLANT estimated
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	2.3 % estimated
<b>Flammability limit - upper (%)</b>	11.5 % estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	904.28 °F (484.6 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.
<b>Specific gravity</b>	0.264 estimated

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, s
<b>Chemical stability</b>	Material is stable under normal conditions.

## Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways. Harmful if inhaled. Narcotic

Components	Species	Test Results
Acetone (CAS 67-64-1)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Guinea pig	> 7426 mg/kg, 24 Hc
	Rabbit	> 9.4 ml/kg, 24 Hc
		> 7426 mg/kg, 24 Hc
		> 9.4 ml/kg, 24 Hc
<b>Inhalation</b>		
LC50	Rat	55700 ppm, 3 Hours
		132 mg/l, 3 Hours
		50.1 mg/l
<b>Oral</b>		
LD50	Rat	5800 mg/kg
		2.2 ml/kg
Cyclohexane (CAS 110-82-7)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 32880 mg/m <sup>3</sup> , 4 Hc
		> 5540 ppm, 4 Hc
<b>Oral</b>		
LD50	Rabbit	> 5000 mg/kg
	Rat	> 5000 mg/kg
Graphite (CAS 7782-42-5)		
<u>Acute</u>		
<b>Inhalation</b>		
LC50	Rat	> 2000 mg/m <sup>3</sup> , 4 Hc
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
Isobutane (CAS 75-28-5)		
<u>Acute</u>		

Components	Species	Test Results
		13700 ppm, 4 Hours
<b>Oral</b> LD50	Rat	4820 mg/kg
n-Hexane (CAS 110-54-3)		
<b>Acute</b> <b>Dermal</b> LD50	Rabbit	> 2000 mg/kg, 4 Hours > 5 ml/kg, 4 Hours
<b>Inhalation</b> LC50	Rat	> 5000 ppm, 24 Hours > 31.86 mg/l 73860 ppm, 4 Hours
<b>Oral</b> LD50	Rat	24 ml/kg 24 g/kg
	Wistar rat	49 g/kg
Octane (CAS 111-65-9)		
<b>Acute</b> <b>Dermal</b> LD50	Rabbit	> 2000 mg/kg, 24 Hours
<b>Inhalation</b> LC50	Rat	> 24.88 mg/l, 4 Hours
<b>Oral</b> LD50	Rat	> 5000 mg/kg
Propane (CAS 74-98-6)		
<b>Acute</b> <b>Inhalation</b> LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l 658 mg/l/4h
Solvent Naphtha (Petroleum), Light Aliphatic (CAS 64742-89-8)		
<b>Acute</b> <b>Dermal</b>		

<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at great mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
Not listed.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Not regulated.	
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	
Not listed.	
<b>Reproductive toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness and dizziness.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Acetone (CAS 67-64-1)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	21.6 - 23.9 mg/l
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l
Cyclohexane (CAS 110-82-7)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	23.03 - 42.07 mg/l
n-Hexane (CAS 110-54-3)			
<b>Aquatic</b>			
Fish	LC50	Fathead minnow (Pimephales promelas)	2.101 - 2.981 mg/l

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

Acetone	-0.24
Cyclohexane	3.44



<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or line product residues. This material and its container must be disposed of in accordance with (see Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings when emptied. Empty containers should be taken to an approved waste handling facility for disposal. Do not re-use empty containers.

## 14. Transport information

### DOT

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable, (each not exceeding 1 L capacity)
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not applicable.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	N82
<b>Packaging exceptions</b>	306
<b>Packaging non bulk</b>	None
<b>Packaging bulk</b>	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on the package and may be used now in place of the "Consumer Commodity ORM-D" marking.

### IATA

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	10L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.
<b>Packaging Exceptions</b>	LTD QTY

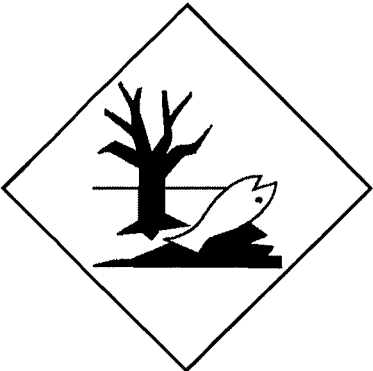
DOT



IATA; IMDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

## 15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Acetone (CAS 67-64-1)

Listed.

Cyclohexane (CAS 110-82-7)

Listed.

**SARA 313 (TRI reporting)**

<b>Chemical name</b>	<b>CAS number</b>	<b>% by wt.</b>
n-Hexane	110-54-3	0.1 - 1

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

n-Hexane (CAS 110-54-3)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Isobutane (CAS 75-28-5)

Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)** Not regulated.**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and Chemical Code Number**

Acetone (CAS 67-64-1) 6532

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.**

Acetone (CAS 67-64-1) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

Acetone (CAS 67-64-1) 6532

**US state regulations****US. California Controlled Substances. CA Department of Justice (California Health and Safety Co**  
Not listed.**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs (a))**

Acetone (CAS 67-64-1)

Isobutane (CAS 75-28-5)

Naphtha (petroleum), Hydrotreated Light (CAS 64742-49-0)

n-Hexane (CAS 110-54-3)

Solvent Naphtha (Petroleum), Light Aliphatic (CAS 64742-89-8)

**US. Massachusetts RTK - Substance List**

Acetone (CAS 67-64-1)

Cyclohexane (CAS 110-82-7)

Graphite (CAS 7782-42-5)

Isobutane (CAS 75-28-5)

n-Hexane (CAS 110-54-3)

Octane (CAS 111-65-9)

Propane (CAS 74-98-6)

**US. New Jersey Worker and Community Right-to-Know Act**

Acetone (CAS 67-64-1)

Cyclohexane (CAS 110-82-7)

Graphite (CAS 7782-42-5)

Isobutane (CAS 75-28-5)

