

# Safety Data Sheet

MONKEY WRENCH

SDS Revision Date:

10/28/2022



## 1. Identification

### 1.1. Product identifier

**Product Identity**

MONKEY WRENCH

**Alternate Names**

45-120, Blended Formula, Monkey Wrench Industrial Penetrant & Silicone Coating. Nut buster- 14 oz Aerosol

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use**

It is used to penetrate loosen rusted nuts, bolts, and screws.

**Application Method**

Read all precautions and instructions carefully before and after use.

### 1.3. Details of the supplier of the safety data sheet

**Company Name**

ComStar International Inc.  
20-47 128th Street,  
College Point, NY 11356

**Telephone No.**

718-445-7900  
800-328-0142  
Fax: 718-353-5998

**Emergency 24 HR response No:** 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

## 2. Hazard(s) identification

**Classification:** This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 3
Specific target organ toxicity (single exposure)	Category 3
Target Organs - Central nervous system (CNS)	
Aspiration Toxicity	Category 1

### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



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## Signal Word

**Danger**

### Hazard statements:

Flammable liquid and vapor

May be fatal if swallowed and enters airways

May cause drowsiness or dizziness

### Precautionary statement

#### Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting equipment

Use only non-sparkling tools

Take precautionary measures against static discharge

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

Keep cool

### Inhalation

Call a poison center or doctor/physician if you feel unwell

If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### Skin

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

### Ingestion

If Swallowed: Immediately call a poison center or doctor/physician

Do not induce vomiting

### Fire

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

### Storage

Store in a well-ventilated place. Keep container tightly closed

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Store locked up

## Disposal

Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

Toxic to aquatic life with long lasting effects

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS# 64742-47-8)	<70	Flammable liquids, 3 STOT- single exposure, 3 Target organs-(CNS), Aspiration toxicity, 1	
AMYL ACETATE (CAS# 628-63-7)	<20	Flammable liquids, 3 Cause skin irritation Target organs-(CNS),	
POLYDIMETHYL-SILOXANE FLUID (CAS# 063148-62-9)	<3	Not Applicable	
CARBON DIOXIDE (CAS# 124-38-9)	<1	Liquefied gas	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

##### General

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

##### Inhalation

Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur. Risk of serious damage to the lungs (by aspiration)

##### Eyes

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.

##### Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists.

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## Ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician or poison control center immediately. If vomiting occurs naturally, have victim lean forward.

## 4.2. Most important symptoms and effects, both acute and delayed

### Overview

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam. Water mist may be used to cool closed containers. Water mist may be used to

### Notes to Physician

Treat symptomatically

## 5. Fire-fighting measures

### 5.1. Suitable Extinguishing media

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam. Water mist may be used to cool closed containers. Water mist may be used to cool closed containers.

### 5.2. Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Flash Point	41 °C / 105.8° F
Method -	Tag Closed Cup (ASTM)
Autoignition Temperature	256 °C / 492.8 °
Explosion Limit	
Upper	6.0 vol %
Lower	0.8 vol %
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

### 5.3. Specific hazards arising from the chemical

Flammable. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition

### 5.4. Special protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 5.5. Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.

### NFPA

<b>Health</b>	<b>Flammability</b>	<b>Instability</b>	<b>Physical hazards</b>
3	2	0	N/A

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment, and emergency procedures

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Use personal protective equipment as required. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

## 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Keep out of waterway

## 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Keep away from open flames, hot surfaces, and sources of ignition. Use only non-sparking tools. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Flammables area. Incompatible Materials. Strong oxidizing agents

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Petroleum distillates, hydrotreated light		TWA: 100 ppm TWA: 400 mg/m		

#### Legend

**ACGIH** - American Conference of Governmental Industrial Hygienists

**OSHA** - Occupational Safety and Health Administration

**NIOSH IDLH**: NIOSH - National Institute for Occupational Safety and Health

**Engineering Measures:** Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

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## Personal Protective Equipment

**Eye/face Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin and body protection:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory Protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

## 8.1. Control parameters

### Exposure

CAS No	Components	Value type (form of exposure)	Control parameter/Permissible concentration	Basis
64742-47-8	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	TWA (Mist)	5mg/m3	OSHA Z-1
		TWA		ACGIH
		TWA (Mist)	5mg/m3	OSHA PO
		TWA (Mist)	5mg/m3	NIOSH REL
		ST (Mist)	10mg/m3	NIOSH REL
628-63-7	AMYL ACETATE	No Established Limit	No Established Limit	No Established Limit
063148-62-9	POLYDIMETHYL-SILOXANE FLUID	No Established Limit	No Established Limit	No Established Limit
124-38-9	CARBON DIOXIDE	No Established Limit	No Established Limit	No Established Limit

## Carcinogen Data

CAS No.	Ingredient	Source	Value
64742-47-8	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
628-63-7	AMYL ACETATE	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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		OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
063148-62-9	POLYDIMETHYL-SILOXANE FLUID	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
124-38-9	CARBON DIOXIDE	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

## 9. Physical and chemical properties

<b>Appearance</b>	Liquid
<b>Physical state</b>	Liquid
<b>Odor</b>	Banana
<b>Odor threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting point/Range</b>	No data available
<b>Boiling point/Range</b>	158 - 179 °C / 316.4 – 354.2 °F
<b>Flash Point</b>	41 °C / 105.8°F
<b>Method -</b>	Tag Closed Cup (ASTM D56)
<b>Evaporation rate (Ether = 1)</b>	> 0.2
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Lower Explosive Limit:</b>	0.8 vol %
<b>Upper Explosive Limit:</b>	6.0 vol %
<b>Vapor pressure</b>	0.2(15 mmHg) kPa (@ 20°C)
<b>Vapor Density</b>	4.7 (Air = 10)
<b>Relative Density</b>	Not available
<b>Specific Gravity</b>	0.77 @ 15.6°C
<b>Solubility in Water</b>	negligible

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<b>Partition coefficient n-octanol/water (Log Kow)</b>	>4
<b>Auto-ignition temperature</b>	> 256 °C/ 492.8 °F
<b>Decomposition temperature</b>	Not established
<b>Viscosity (cSt)</b>	1 cSt @ 40°C
<b>Molecular Weight</b>	137
<b>VOC Content (%)</b>	100
<b>Coefficient of expansion</b>	0.00078 per Deg C [Calculated]

## 9.2. Other information

## 10. Stability and reactivity

### 10.1. Reactivity

None known, based on information available

### 10.2. Chemical stability

Material is stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

### 10.4. Conditions to avoid

Incompatible products. Heat, flames, and sparks. Keep away from open flames, hot surfaces, and sources of ignition.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Hydrocarbons.

## 11. Toxicological information

### Acute Toxicity

### Product Information

### Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated light	LD50 > 5000 mg/kg ( Rat )	LD50 > 2000 mg/kg ( Rabbit )	LC50 > 5.2 mg/L (Rat) 4 h

**Toxicologically Synergistic** No information available

### Products

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## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Irritation** No information available

**Sensitization** No information available

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Petroleum distillates, hydrotreated light	64742-47-8	Not listed	Not listed	Not listed	Not listed	Not listed

**Mutagenic Effects** No information available

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**Teratogenicity** No information available.

**STOT - single exposure** Central nervous system (CNS)

**STOT - repeated exposure** None known

**Aspiration hazard** Aspiration hazard Category 1

**Symptoms/effects, both acute and delayed** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting delayed.

**Endocrine Disruptor Information** No information available

**Other Adverse Effects** Tumorigenic effects have been reported in experimental animals

## 12. Ecological information

### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Petroleum distillates, hydrotreated light	Not listed	LC50: = 2.4 mg/L, 96h static (Oncorhynchus mykiss) LC50: = 2.2 mg/L, 96h	Not listed	Not listed

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		static (Lepomis macrochirus) LC50: = 45 mg/L, 96h flow-through (Pimephales promelas)		
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**Persistence and Degradability** Persistence is unlikely

**Bioaccumulation/ Accumulation** No information available.

**Mobility** No information available

Component	Log Pow
Petroleum distillates, hydrotreated light	>4

## 13. Disposal considerations

**Waste Disposal Methods:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## 14. Transport information

**DOT** For: Aerosol  
**UN number** UN1950  
**UN proper shipping name** UN 1950, Aerosol flammable, 2.1, (Ltd quantity, each not exceeding 1 L Capacity)  
Petroleum distillates, n.o.s  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk**  
**Label(s)** 2.1  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** No  
**Special precautions for user** Not available.

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Special provisions	N82
Packaging exceptions	306
Packaging non-bulk	None
Packaging bulk	None
<b>IATA</b>	
UN number	UN1950
UN proper shipping name	UN 1950 Aerosols, flammable, 2.1, (Ltd quantity, each not exceeding 1 L Capacity)
	Petroleum distillates, n.o.s
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	2.1
Packing group	III
Environmental hazards	No.
Special precautions for user	Not available.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
TDG	
UN number	UN 1950
UN proper shipping name	UN 1950 Aerosols, flammable, 2.1 (Ltd quantity, each not exceeding 1 L Capacity) Petroleum distillates, n.o.s
Transport hazard class(es)	
Class	3
Packing group	III
<b>IMDG</b>	
UN number	UN1950
UN proper shipping name	Aerosols, flammable, MARINE POLLUTANT
	UN 1950 Aerosols, flammable, 2.1, (Ltd quantity, each not exceeding 1 L Capacity) Petroleum distillates, n.o.s
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	2.1

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Packing group III  
Environmental hazards  
Marine pollutant Yes  
EmS F-D, S-U  
Special precautions for user Not available.  
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.  
DOT

DOT



IATA; IMDG



## 15. Regulatory information

### United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
Petroleum distillates, hydrotreated light	64742-47-8	X	ACTIVE	-

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## Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

TSCA 12(b) - Notices of Export

## International Inventories:

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	D S L	NDSL	EINECS	PICC S	ENCS	ISH L	AICS	IECS C	K E C L
Petroleum distillates, hydrotreated light	64742-47-8	X	-	265-149-8	X	X	X	X	X	K E - 1 2 5 5 0

**KECL** - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

## U.S. Federal Regulations

**SARA 313** Not applicable

**SARA 311/312 Hazard Categories** See section 2 for more information

**CWA (Clean Water Act)** Not applicable

**Clean Air Act** Not applicable

**OSHA** - Occupational Safety and Health Administration Not applicable

**CERCLA** Not applicable

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

## U.S. State Right-to-Know Regulations

## U.S. Department of Transportation

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Reportable Quantity (RQ): N  
DOT Marine Pollutant N  
DOT Severe Marine Pollutant N

**U.S. Department of Homeland Security** This product does not contain any DHS chemicals

## Other International Regulations

**Mexico - Grade** Moderate risk, Grade 2  
**Authorization/Restrictions according to EU REACH**

## Safety, health, and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Petroleum distillates, hydrotreated light	64742-47-8	Listed	Not applicable	Not applicable	Not applicable

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Petroleum distillates, hydrotreated light	64742-47-8	Not applicable	Not applicable	Not applicable	Not applicable

## 16. Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

End of Document

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