



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: (CLP) Regulation (EC 1272/2008)

Revision Date 19-Jan-2021

Version 6

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code 80071
Product Name 133H ANTI-SEIZE LUBRICANT 4OZ.

Contains CALCIUM OXIDE, DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC, PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT

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

Recommended Use Lubricant
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
ITW Permatex
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

E-mail address:
mail@permatex.com

1.4. Emergency telephone number

24-hour emergency phone number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel

SECTION 2: HAZARDS IDENTIFICATION:

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Carcinogenicity	Category 1B - (H350)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Full text of R-phrases: see section 16

2.2. Label elements

Contains CALCIUM OXIDE, DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC, PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT

**Signal word**

Danger

Statements of hazard

H302 - Harmful if swallowed

H350 - May cause cancer

Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

P330 - Rinse mouth

P501 - Dispose of contents/ container to an approved waste disposal plant

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P405 - Store locked up

Other Information

• May be harmful in contact with skin

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	265-155-0	64742-52-5	30 - 60	Carc. 1B (H350) Note:L	Exempt - Volume
CALCIUM OXIDE	215-138-9	1305-78-8	10 - 30		Exempt - Volume
GRAPHITE	231-955-3	7782-42-5	10 - 30		Exempt - Annex V
ALUMINIUM POWDER	231-072-3	7429-90-5	5 - 10	Flam. Sol. 1 (H228) Water-react. 2 (H261)	Exempt - Volume
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT	265-176-5	64742-71-8	3 - 7	Carc. 1B (H350)	Exempt - Volume
MINERAL OIL	232-455-8	8042-47-5	3 - 7		Exempt - Volume
COPPER	231-159-6	7440-50-8	0.1 - 1	Eye Irrit. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Exempt -

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures**General advice**

If symptoms persist, call a physician.

Inhalation

Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Skin contact	Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.
Self-protection of the first aider	Use personal protective equipment as required.

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

Symptoms See section 2 for more information

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use. Use dry chemical. Carbon dioxide (CO₂). Water spray (fog). Alcohol resistant foam.

Unsuitable extinguishing media

Water

5.2. Special hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with eyes and skin. Wash thoroughly after handling. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

See section 12 for additional ecological information. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Advice on safe handling**

Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

Incompatible materials

Strong oxidizing agents, Acids, Alkalis, Amines

7.3. Specific end use(s)**Specific use(s)**

Lubricant.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
CALCIUM OXIDE 1305-78-8	-	TWA: 1 mg/m ³ TWA: 2 mg/m ³ STEL: 4 mg/m ³ STEL: 6 mg/m ³	TWA: 2 mg/m ³	TWA: 1 mg/m ³ STEL: 4 mg/m ³ vía dérmica*	TWA: 1 mg/m ³
GRAPHITE 7782-42-5	-	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	-
ALUMINIUM POWDER 7429-90-5	-	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	-
MINERAL OIL 8042-47-5	-	-	-	-	TWA: 5 mg/m ³
COPPER 7440-50-8	-	TWA: 1 mg/m ³ TWA: 0.2 mg/m ³ STEL: 0.6 mg/m ³ STEL: 2 mg/m ³	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 0.1 mg/m ³	-

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark	
CALCIUM OXIDE 1305-78-8	TWA: 1 mg/m ³	TWA: 1 mg/m ³ STEL: 4 mg/m ³	TWA: 1 mg/m ³ STEL: 4 mg/m ³	TWA: 1 mg/m ³ STEL: 4 mg/m ³	TWA: 1 mg/m ³ TWA: 2 mg/m ³	
GRAPHITE 7782-42-5	-	TWA: 2 mg/m ³	-	TWA: 2 mg/m ³	TWA: 2.5 mg/m ³	
ALUMINIUM POWDER 7429-90-5	-	TWA: 10 mg/m ³ TWA: 5 mg/m ³	-	TWA: 1.5 mg/m ³	TWA: 5 mg/m ³ TWA: 2 mg/m ³	
COPPER 7440-50-8	-	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.02 mg/m ³	TWA: 1.0 mg/m ³ TWA: 0.1 mg/m ³	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland	Slovenia
CALCIUM OXIDE 1305-78-8	TWA: 1 mg/m ³ STEL 4 mg/m ³	TWA: 1 mg/m ³ STEL: 4 mg/m ³	STEL: 6 mg/m ³ STEL: 4 mg/m ³ TWA: 2 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³ STEL: 4 mg/m ³	TWA: 1 mg/m ³ 4: STEL mg/m ³
GRAPHITE 7782-42-5	TWA: 5 mg/m ³ STEL 10 mg/m ³	TWA: 2.5 mg/m ³ TWA: 5 mg/m ³	TWA: 4.0 mg/m ³ TWA: 1.0 mg/m ³	TWA: 5 mg/m ³ TWA: 2 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 10 mg/m ³ STEL: 4 mg/m ³ STEL: 15 mg/m ³ STEL: 8 mg/m ³	TWA: 2 mg/m ³ STEL: 6 mg/m ³	
ALUMINIUM POWDER 7429-90-5	TWA: 10 mg/m ³ STEL 20 mg/m ³	TWA: 3 mg/m ³	TWA: 2.5 mg/m ³ TWA: 1.2 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	
MINERAL OIL 8042-47-5	-	TWA: 5 mg/m ³	-	-	-	TWA: 5 mg/m ³ 20: STEL mg/m ³
COPPER 7440-50-8	TWA: 1 mg/m ³ TWA: 0.1 mg/m ³ STEL 4 mg/m ³ STEL 0.4 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.2 mg/m ³	TWA: 0.2 mg/m ³	TWA: 0.1 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³ STEL: 2 mg/m ³ STEL: 0.6 mg/m ³	

Chemical Name	European Union	United Kingdom	France	Spain	Germany
ALUMINIUM POWDER 7429-90-5	-	-	-	-	50 µg/g Creatinine
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
ALUMINIUM POWDER 7429-90-5	-	60	-	-	-

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Use exhaust ventilation to keep airborne concentrations below exposure limits.

Personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Skin and body protection

Suitable protective clothing. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate. Antistatic footwear. Gloves made of plastic or rubber.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Paste, Liquid
Appearance	Silver
Odor	Petroleum
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	> 95 °C / > 203 °F	Tag Closed Cup
Evaporation rate	< 1	Butyl acetate = 1
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	<5 mm Hg	
Vapor density	>1	Air = 1
Relative density	1.17	
Water solubility	Negligible	
Solubility(ies)	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	
9.2. Other information		
Softening point	No information available	
Molecular weight	No information available	
VOC Content (%)	0	
Density	No information available	
Bulk density	No information available	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not applicable

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents
Acids
Alkalis
Amines

10.6. Hazardous decomposition products

Carbon oxides

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

Inhalation	May cause irritation of respiratory tract.
Eye contact	Irritating to eyes. May cause redness and tearing of the eyes.
Skin contact	May cause skin irritation and/or dermatitis. Prolonged contact may cause redness and irritation.
Ingestion	Harmful if swallowed.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 1,353.80 mg/kg

ATEmix (dermal) 2,045.50 mg/kg

Unknown acute toxicity

99.10265 % of the mixture consists of ingredient(s) of unknown toxicity.

32.1281 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

57.79265 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

99.10265 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

99.10265 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

99.10265 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Irritating to eyes.
Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

Chemical Name	European Union
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	Carc. 1B
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT	Carc. 1B

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Central Vascular System (CVS), Eyes, Respiratory system, Skin.
Aspiration hazard:	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Very toxic to aquatic life with long lasting effects. Toxic to aquatic life.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
CALCIUM OXIDE	-	1070: 96 h Cyprinus carpio mg/L LC50 static	-
GRAPHITE	-	100: 96 h Danio rerio mg/L LC50 semi-static	-
MINERAL OIL	-	10000: 96 h Lepomis macrochirus mg/L LC50	-
COPPER	0.031 - 0.054: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.0426 - 0.0535: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	0.0068 - 0.0156: 96 h Pimephales promelas mg/L LC50 0.3: 96 h Pimephales promelas mg/L LC50 static 0.052: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.112: 96 h Poecilia reticulata mg/L LC50 flow-through 0.2: 96 h Pimephales promelas mg/L LC50 flow-through 0.3: 96 h Cyprinus carpio mg/L LC50 semi-static 0.8: 96 h Cyprinus carpio mg/L LC50 static 1.25: 96 h Lepomis macrochirus mg/L LC50 static	0.03: 48 h Daphnia magna mg/L EC50 Static

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
MINERAL OIL	>6

12.4. Mobility in soil**Mobility in soil**

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Endocrine Disruptor Information

None known.

Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods****Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

Waste codes / waste designations according to EWC / AVV No Data Available

Other Information Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG

14.1 UN/ID No Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group None
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions No information available
 14.7 EmS-No Not applicable

RID

14.1 UN/ID No Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group None
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions No information available
 14.7 Classification code No information available

ADR

14.1 UN/ID No Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group None
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions No information available
 14.7 Classification code No information available

IATA

14.1 UN/ID No Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard Class Not regulated
 14.4 Packing Group None
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions No information available
 14.7 ERG Code Not applicable

Section 15: REGULATORY INFORMATION

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

Chemical Name	French RG number	Title
GRAPHITE 7782-42-5	RG 16 RG 25	-
ALUMINIUM POWDER 7429-90-5	RG 32 RG 16, RG 16bis	-
MINERAL OIL 8042-47-5	RG 36bis	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents

at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical Name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC - 64742-52-5	Use restricted. See item 28.	
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT - 64742-71-8	Use restricted. See item 28.	

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H228 - Flammable solid
 H261 - In contact with water releases flammable gases
 H319 - Causes serious eye irritation
 H350 - May cause cancer
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA Ceiling	TWA (time-weighted average) Maximum limit value	STEL *	STEL (Short Term Exposure Limit) Skin designation
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Revision Date 19-Jan-2021

Revision Note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet