



1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product name Hard-Cut NG

Other means of identification

Recommended use of the chemical and restrictions on use

Material Uses Machine Lubricant.

Uses advised against Verify Applications

Details of the supplier of the safety data sheet

Manufacturer

Hangsterfer's Laboratories, Inc.
175 Ogden Road
Mantua, NJ 08051
Phone +1 856-468-0216
Fax +1 856-468-0200
Website: www.hangsterfers.com

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300 in US, Canutec 1-613-996-6666 in Canada. For international assistance, dial Chemtrec US number 1-703-527-3887.

2. Hazards Identification

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1). Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

Classification of the substance or mixture

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Hazard statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance Clear/Hazy

Physical state Liquid

Odor Mild

Other Information

No known effect

3. Composition/information on Ingredients

Substance

Chemical Family Straight Oil Type.

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Description of first aid measures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary. If eye irritation persists: Get medical advice/attention.

Skin contact Wash skin with soap and water. Consult a physician if necessary.

Inhalation Remove to fresh air. Consult a physician if necessary.

Ingestion Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media Water spray or fog is preferred; if water not available use dry chemical, CO2 or regular foam.

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

Specific hazards arising from the chemical May be ignited by heat, sparks or flames. Keep product and empty container away from heat and sources of ignition.

Hazardous combustion products Carbon oxides. Hydrogen chloride.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

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 as required.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

Other Information Report spills as required to the appropriate authorities.

Environmental precautions

Environmental precautions No unusual hazard.

Methods and material for containment and cleaning up

| | |
|------------------------------------|--|
| Methods for containment | Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. |
| Methods for Clean-up | Take up mechanically, placing in appropriate containers for disposal. |
| Reference to other sections | See Section 12: ECOLOGICAL INFORMATION. |

7. Handling and Storage**Precautions for safe handling**

| | |
|--------------------------------|--|
| Advice on safe handling | Avoid contact with eyes. Keep container in a well-ventilated place. Avoid breathing dust/fume/gas/mist/vapors/spray. |
|--------------------------------|--|

Conditions for safe storage, including any incompatibilities

| | |
|-------------------------------|--|
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat and sources of ignition. |
| Incompatible materials | Acids and oxidizing agents. |

8. Exposure Controls/Personal Protection**Control parameters**

| | |
|------------------------|---|
| Exposure Limits | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
|------------------------|---|

Appropriate engineering controls

| | |
|-----------------------------|--|
| Engineering controls | Ensure adequate ventilation, especially in confined areas. |
|-----------------------------|--|

Individual protection measures, such as personal protective equipment

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|--|---|
| Eye/face protection | Safety glasses with side-shields. |
| Skin and Body Protection | Use protective gloves and clothing if contact with product is likely. |
| Respiratory protection | If personal exposure levels cannot be maintained below accepted exposure limits, EN 529 approved respiratory protection should be worn. |
| Environmental exposure controls | No unusual hazard. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and Chemical Properties**Information on basic physical and chemical properties**

| | |
|-----------------------|--------------------|
| Physical state | Liquid |
| Appearance | Clear/Hazy |
| Odor | Mild |
| Color | red |
| Odor threshold | No unusual hazard. |

| <u>Property</u> | <u>Values</u> | <u>Remarks • No additional remarks</u> |
|---------------------------------------|--------------------------|---|
| pH | No information available | |
| Melting point / freezing point | - | None known |
| Boiling point / boiling range | 100 °C / 212 °F | |
| Flash point | 168 °C / 335 °F | |

| | |
|------------------------------|--|
| Evaporation rate | No information available |
| Flammability (solid, gas) | No information available |
| Flammability Limit in Air | |
| Upper flammability limit: | Not applicable |
| Lower flammability limit: | Not flammable |
| Vapor pressure | <0.01 mmHg @ 20 °C |
| Vapor density | > 5 |
| Specific gravity | 0.82 - 0.86 |
| Water solubility | Insoluble in water |
| Solubility in other solvents | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | |
| Kinematic viscosity | 10 - 15 cSt @ 40°C / 58 -78 SUS @ 100°F |
| Dynamic viscosity | No information available |
| VOC Content (%) | Request additional information |

10. Stability and Reactivity

| | |
|------------------------------------|---|
| Reactivity | No unusual hazard. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | None under normal use conditions. |
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | Keep away from open flames, hot surfaces and sources of ignition. |
| Incompatible materials | Acids and oxidizing agents. |
| Hazardous decomposition products | Carbon oxides. HCl. |

11. Toxicological Information

Information on likely routes of exposure

| | |
|---------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known information |
| Inhalation | No unusual hazard. |
| Eye contact | No unusual hazard. |
| Skin contact | No unusual hazard. |
| Ingestion | No unusual hazard. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|----------|-------------|
| Symptoms | None known. |
|----------|-------------|

Acute toxicity

Numerical measures of toxicity

| | |
|-----------|--------------------|
| Oral LD50 | > 5000 mg/kg (rat) |
|-----------|--------------------|

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

| | |
|--|---|
| Skin corrosion/irritation | OECD 404 - Non-irritating and non-corrosive (rabbit). |
| Serious eye damage/eye irritation | No unusual hazard. |
| Irritation | No unusual hazard. |
| Sensitization | No known effect. |
| Mutagenic Effects | No known effect. |
| Carcinogenicity | No known effect. |
| Reproductive effects | No known effect. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Chronic toxicity | No known effect. |
| Aspiration Hazard | No unusual hazard. |

12. Ecological Information

| | |
|----------------------------------|------------------------------------|
| Ecotoxicity | No known effect |
| Persistence/Degradability | No unusual hazard. |
| Bioaccumulation | There is no data for this product. |
| Other adverse effects | None known |

13. Disposal Considerations

Waste treatment methods

| | |
|--|--|
| Waste from residues/unused products | Dispose of in accordance with local regulations. |
| Contaminated packaging | Do not reuse empty containers. |

14. Transport Information

| | |
|----------------------|---------------|
| <u>DOT</u> | Not regulated |
| UN-No | Not regulated |
| Hazard class | Not regulated |
| Packing group | Not regulated |
| Description | Not regulated |

| | |
|----------------------|---------------|
| <u>TDG</u> | |
| Not regulated | |
| UN-No | Not regulated |
| Hazard class | Not regulated |
| Packing group | Not regulated |
| Description | Not regulated |

IMDG

| | |
|-----------------------------------|---------------|
| Not regulated | |
| UN number | Not regulated |
| Transport hazard class(es) | Not regulated |
| Packing group | Not regulated |
| Marine pollutant | Not regulated |
| Description | Not regulated |

RID

| | |
|-----------------------------------|---------------|
| Not regulated | |
| UN-No | Not regulated |
| Transport hazard class(es) | Not regulated |
| Packing group | Not regulated |
| Description | Not regulated |

IATA

| | |
|-----------------------------------|---------------|
| Not regulated | |
| UN number | Not regulated |
| Transport hazard class(es) | Not regulated |
| Packing group | Not regulated |
| Description | Not regulated |

15. Regulatory Information**International Inventories**

| | |
|----------------------|-----------|
| TSCA | Complies. |
| DSL/NDSL | Complies. |
| EINECS/ELINCS | Complies. |
| ENCS | Complies. |
| 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**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**U.S. EPA Label information**

EPA Pesticide registration number Not applicable

16. Other Information

| | | | | |
|-------------|------------------|----------------|--------------------|--|
| NFPA | Health hazards 1 | Flammability 1 | Instability 0 | Physical and chemical properties - Personal Protection SECTION 8: Exposure controls/personal protection |
| HMIS | Health hazards 1 | Flammability 1 | Physical hazards 0 | |

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend SECTION 8: Exposure controls/personal protection**

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Ceiling Limit Value | * | Skin designation |

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 RTECS (Registry of Toxic Effects of Chemical Substances)
 World Health Organization

Print Date 09-10-2018

Revision date 09-10-2021

Revision Note**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet