



SAFETY DATA SHEET

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Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name **BIG BEAR**

Other means of identification

Product Code(s) **3309**

Synonyms **N/A**

Recommended use of the chemical and restrictions on use

Recommended Use **Cleaner/Degreaser**

Uses advised against **No Information Available**

Supplier's details

Supplier Address

Birsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355

Emergency telephone number

Emergency Telephone Number **CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924**

2. HAZARDS IDENTIFICATION

Classification

OXIDIZING LIQUIDS – Category 2
ACUTE TOXICITY:ORAL – Category 3
SKIN CORROSION – Category 1C
SERIOUS EYE DAMAGE – Category 1
SPECIFIC TARGET ORGAN TOXICITY: SINGLE EXPOSURE – Category 3

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **DANGER**

Hazard Statements

- May intensify fire; oxidizer
- Toxic if swallowed
- Causes severe skin burns and eye damage
- May cause respiratory irritation

Appearance Clear**Physical State** Liquid**Odor** Orange/Citrus Scent**Symbol:****Precautionary Statements****Prevention**

Keep away from heat.
 Keep/Store away from clothing/combustible materials.
 Take and precaution to avoid mixing with combustibles.
 Avoid breathing gas/mist/vapors/spray.
 Wash skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor/physician.
 Wash contaminated clothing before reuse.
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage

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

Disposal

Dispose of contents and container in accordance with applicable local, regional, national and/or international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Chemical Name	CAS-No	Weight %	Notes
D-Limonene	94266-47-7	5 – 10	*
Sodium Silicate	1344-09-8	1 – 5	*
2-Methylpentane-2, 4-diol	107-41-5	1 - 5	*

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

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.

Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Call a Poison Control Center. If victim is conscious, give plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide. Foam. Dry chemical.

Unsuitable Extinguishing Media

Water

Special Protective Equipment and Precautions for Firefighters

Fire fighters and other who may be exposed to products of combustion should wear full fire fighting turn out gear and self-contained breathing apparatus.

Fire-Fighting Equipment/Instructions

Oxidizing material. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Decomposition will release oxygen, which will intensify a fire. Cool closed containers exposed to fire with water spray. Closed containers of this material may explode when subjected to heat from surrounding fire. Do not allow run-off from fire fighting to enter drains or water courses. Fire fighting equipment should be thoroughly decontaminated after use.

Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General Fire Hazards

No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel. Ventilate the area. Eliminate all ignition sources. Avoid generation of vapors. Avoid contact with cellulose, paper, sawdust or similar substances. Risk of self-ignition or promotion of fires.

Environmental Precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto ground.

Methods for Cleaning Up

Contain and collect spillage with non-combustible absorbent material, such as clean sand, earth, diatomaceous earth or non-acidic clay and place into a suitable property labeled containers for prompt disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not taste or swallow. Do not get in eyes, on skin or on clothing. Avoid breathing vapor or mist. Keep away from contact with clothing and other combustible materials. Keep away from heat, sparks and flames. Use only with adequate ventilation. Wash thoroughly after handling. Wear flame/ flame resistant/ retardant clothing. Prevent product contamination. Keep only in the original container. Store in tightly closed container. Do not cut, drill, grind, or weld on or near this container. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. Avoid contamination.

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store in cool, dry, well ventilated area away from sources of ignition such as flame, sparks and static electricity. Store out of direct sunlight in a cool well ventilated place. Store in original container. Store away from combustibles and incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

d-Limonene: TWA – 30ppm
Hydrogen Peroxide: ACGIH – 1ppm
PEL – 1ppm

Biological Limit Values	No biological exposure limits noted.
Appropriate Engineering Controls	Normal room ventilation is usually adequate. Provide exhaust ventilation or other engineering controls to keep the airborne concentration below any regulated limits. Keep away from sparks and flames.
<u>Individual protection measures, such as personal protective equipment</u>	
Eye & Face Protection	Wear safety goggles or glasses.
Hand & Skin Protection	Nitrile gloves are recommended. Boots, apron, or bodysuit should be worn as necessary.
Respiratory Protection	Not normally required. If adequate ventilation is unavailable, use NIOSH approved air-purifying respirator with organic vapor cartridge or canister.
Hygiene Measures	Wash hands thoroughly after handling. Have eyewash and emergency shower facilities immediately available. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Clear
Odor	Orange/Citrus Scent	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH	11.0 – 12.0
Melting Point/Range	No data available
Boiling Point/Boiling Range	No data available
Flash Point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
upper flammability limit	No data available
lower flammability limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Specific Gravity	No data available
Water Solubility	No data available
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Flammable Properties	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Stability

The product is stable

Possibility of hazardous reactions

No dangerous reaction known under normal conditions.

Conditions to avoid

Keep away from heat, sparks or flame. Material decomposes with the potential to produce a rupture of unvented closed containers.

Incompatible materials

Strong acids. Combustible materials. Alkaline materials. Metallic oxides. Reducing agents.

Hazardous decomposition products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Ingestion	Harmful if swallowed.
Inhalation	Harmful if inhaled. May cause respiratory irritation.
Skin Contact	Can cause skin burns and irritation.
Eye Contact	Causes serious eye damage.

Information on Toxicological Effects

Acute Toxicity	Toxic in contact with skin. Harmful if inhaled. Harmful if swallowed.
Skin Corrosion/Irritation	Causes severe skin burns and eye damage.
Serious Eye Damage/Eye Irritation	Causes serious eye damage.
Respiratory Sensitization	Not available
Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity Single Exposure	May cause respiratory irritation.
Specific Target Organ Toxicity Repeated Exposure	Not applicable
Aspiration Hazard	No data available

12. ECOLOGICAL INFORMATION

Ectotoxicity	May be toxic to aquatic life. However, due to the physical properties of the product, it will not remain in the environment for an extended period of time.
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility In Soil	No data available
Other Adverse Effects	No other adverse environmental effects are expected from this product.

13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Dilution with water is the preferred method of disposal. Dispose of in accordance with federal, state and local regulations.
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14. TRANSPORT INFORMATION

DOT

Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

This product contains ingredients that conform to the Toxic Substances Control Act (TSCA):
d-Limonene (94266-47-4)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories: N/A

SARA 302 Extremely Hazardous Substance: No

SARA 311/312 Hazardous Chemical: No

SARA 313: Not Regulated

Clean Air Act (CAA)

Section 112 Hazardous Air Pollutants List: Not Regulated

Section 112r Accidental Release Prevention: Not Regulated

CERCLA (40 CFR 302.4)

Not Listed

US OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)

Not Listed

Safe Water Drinking Act (SDWA)

Not Regulated

U.S. State Right to Know Regulations

Not Listed

California Proposition 65

Not Listed

16. OTHER INFORMATION**NFPA Health 1 Flammability 0 Instability 0**

Prepared By	Birsch Industries 476 Viking Drive Virginia Beach, VA. 23452 TEL: 757-622-0355
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General 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