



SAFETY DATA SHEET

Issuing Date No data available

Revision Date 1-June 2015

Revision Number 0

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

GHS product identifier

Product Name KNOCK-OUT

Other means of identification

Product Code(s) 142561

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

ACUTE TOXICITY: ORAL – Category 4
SKIN CORROSION/IRRITATION – Category 2
EYE DAMAGE/EYE IRRITATION – Category 2A

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word WARNING

Hazard Statements

- Harmful if swallowed
- Causes skin irritation
- Causes serious eye irritation

Appearance Blue-Green**Physical State** Liquid**Odor** Mild Scent**Symbol:****Precautionary Statements****Prevention**

Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/face protection.

Response

IF SWALLOWED: Call a poison center/doctor if you feel unwell. Rinse mouth.
IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Specific treatment (See label).

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
2-Methylpentane-2,4-Diol	107-41-5	1 – 5	*
Tetrapotassium Pyrophosphate	7722-88-5	< 3	*
Sodium Edetate Tetrasodium Salt	64-02-8	< 3	*
Sodium carbonate	479-19-8	< 3	*

* 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	Liquid and mist may damage eyes, causing corneal damage. Flush with water for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact	May cause reddening and swelling. Flush with water for at least 15 minutes.
Inhalation	May be irritating to the throat and lungs. Move to fresh air. Seek medical attention if irritation persists.
Ingestion	May be irritating to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting and diarrhea. Drink large quantities of water. Seek medical aid.

Indication of immediate medical attention and special treatment needed, if necessary

Most Important Symptoms Symptoms may include stinging, tearing, redness, swelling and blurred vision. Skin irritation. May cause redness and pain. May cause headache, nausea, abdominal pain, vomiting and diarrhea, if ingested.

General Information Take off immediately all contaminated clothing. 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. Wash contaminated clothing before reuse.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water fog. Foam. Carbon dioxide (CO2).
Do NOT use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical

No data available

Special Protective Equipment and Precautions for Firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-Fighting Equipment/Instructions

Move containers from fire area if you can do so without risk.

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 Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

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 Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

7. HANDLING AND STORAGE**Precautions for safe handling**

Do not get this material in contact with eyes. Do not taste or swallow. Avoid contact with skin. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits No exposure limits noted.

Biological Limit Values	No biological exposure limits noted.
Appropriate Engineering Controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
<u>Individual protection measures, such as personal protective equipment</u>	
Eye & Face Protection	Wear eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield.
Hand & Skin Protection	Wear appropriate chemical resistant gloves and clothing.
Respiratory Protection	In cause of insufficient ventilation, wear suitable respiratory equipment.
Hygiene Measures	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Blue-Green
Odor	Mild 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	>212°F (>100°C)
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	20mm Hg @ 68°F (20°C)
Vapor Density	No data available
Relative Density	No data available
Specific Gravity	1.06
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

Contact with incompatible materials.

Incompatible materials

Do not mix with any other chemicals.

Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Ingestion	Harmful if swallowed.
Inhalation	May be irritating if inhaled.
Skin Contact	May cause skin irritation.
Eye Contact	Causes serious eye damage.
Symptoms	Symptoms may include stinging, tearing, redness, swelling and blurred vision. Skin irritation. May cause redness and pain. May cause headache, nausea, abdominal pain, vomiting and diarrhea, if ingested.

Information on Toxicological Effects

Acute Toxicity	Harmful if swallowed.
Skin Corrosion/Irritation	Causes skin irritation
Serious Eye Damage/Eye Irritation	Causes serious eye damage.
Respiratory Sensitization	Not available
Skin Sensitization	This product is not expected to cause skin sensitization.
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	Not applicable
Specific Target Organ Toxicity Repeated Exposure	Not applicable
Aspiration Hazard	Not available

12. ECOLOGICAL INFORMATION

Ectotoxicity	No data available
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	<p>Container Disposal – Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.</p> <p>For containers 5 gallons or less – Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.</p> <p>For containers greater than 5 gallons – Triple Rinse as follows: Fill container ¼ full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.</p>
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