



# 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) 172600

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**

<b>Eye Contact</b>	Liquid and mist may damage eyes, causing corneal damage. Flush with water for at least 15 minutes. Seek medical attention if irritation persists.
<b>Skin Contact</b>	May cause reddening and swelling. Flush with water for at least 15 minutes.
<b>Inhalation</b>	May be irritating to the throat and lungs. Move to fresh air. Seek medical attention if irritation persists.
<b>Ingestion</b>	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.

<b>Biological Limit Values</b>	No biological exposure limits noted.
<b>Appropriate Engineering Controls</b>	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.
<b><u>Individual protection measures, such as personal protective equipment</u></b>	
<b>Eye &amp; Face Protection</b>	Wear eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield.
<b>Hand &amp; Skin Protection</b>	Wear appropriate chemical resistant gloves and clothing.
<b>Respiratory Protection</b>	In cause of insufficient ventilation, wear suitable respiratory equipment.
<b>Hygiene Measures</b>	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

<b>Physical State</b>	Liquid	<b>Appearance</b>	Blue-Green
<b>Odor</b>	Mild Scent	<b>Odor Threshold</b>	No information available
<b><u>Property</u></b>	<b><u>Values</u></b>		
<b>pH</b>	11.0 – 12.0		
<b>Melting Point/Range</b>	No data available		
<b>Boiling Point/Boiling Range</b>	>212°F (>100°C)		
<b>Flash Point</b>	No data available		
<b>Evaporation rate</b>	No data available		
<b>Flammability (solid, gas)</b>	No data available		
<b>Flammability Limits in Air</b>			
upper flammability limit	No data available		
lower flammability limit	No data available		
<b>Vapor Pressure</b>	20mm Hg @ 68°F (20°C)		
<b>Vapor Density</b>	No data available		
<b>Relative Density</b>	No data available		
<b>Specific Gravity</b>	1.06		
<b>Water Solubility</b>	No data available		
<b>Solubility in other solvents</b>	No data available		
<b>Partition coefficient: n-octanol/water</b>	No data available		
<b>Autoignition Temperature</b>	No data available		
<b>Decomposition Temperature</b>	No data available		
<b>Viscosity</b>	No data available		
<b>Flammable Properties</b>	No data available		
<b>Explosive Properties</b>	No data available		
<b>Oxidizing Properties</b>	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**

<b>Ingestion</b>	Harmful if swallowed.
<b>Inhalation</b>	May be irritating if inhaled.
<b>Skin Contact</b>	May cause skin irritation.
<b>Eye Contact</b>	Causes serious eye damage.
<b>Symptoms</b>	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**

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

## 12. ECOLOGICAL INFORMATION

<b>Ectotoxicity</b>	No data available
<b>Persistence and Degradability</b>	No data available
<b>Bioaccumulative Potential</b>	No data available
<b>Mobility In Soil</b>	No data available
<b>Other Adverse Effects</b>	No other adverse environmental effects are expected from this product.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Instructions</b>	<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>
------------------------------	---

<b>Local Disposal Regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous Waste Code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste From Residues</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
<b>Contaminated Packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. TRANSPORT INFORMATION

**DOT**

Not Regulated

## 15. REGULATORY INFORMATION

**U.S. Federal Regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

Hazard Categories: Immediate Hazard – Yes

SARA 302 Extremely Hazardous Substance: No

SARA 311/312 Hazardous Chemical: Sodium Carbonate (497-19-8) [RQ(lbs): 500]

SARA 313: No

**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

**California Proposition 65**

Not Listed

## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	<b>Health 1</b>	<b>Flammability 0</b>	<b>Instability 1</b>
--------------------	-----------------	-----------------------	----------------------

<b>Prepared By</b>	Birsch Industries 476 Viking Drive Virginia Beach, VA. 23452 TEL: 757-622-0355
<b>Issuing Date</b>	No information available
<b>Revision Date</b>	1-June 2015
<b>Revision Note</b>	N/A

**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**