1. ICE-O-GEL

Issue Date of Safety Data Sheet: January 30, 2016
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Prepared By: R. Berger

2. Identification

Product Name: ***ICE-O-GEL***

Synonyms:	None
CAS Number:	2-Propanol (67-63-0), Methocel K4M (9004-65-3), Gum Camphor (76-22-2), L-Menthol (2216-51-5), Water (7732-18-5)
Product Use:	Horse Treatment
Manufacturer/Supplier:	Hawthorne Products Inc.
Address:	16828 N. State Road 167 N. Dunkirk, Indiana 47336 USA
Telephone:	+1 765-768-6585
Fax:	+1 765-768-7672
Internet:	hawthorne-products.com

Transportation Emergency Number: **CHEMTEL**-
For: United States, Canada, Puerto Rico, and the US Virgin Island **1-800-255-3924**
Outside United States, Canada, Puerto Rico and the US Virgin Island -**01-813-248-0585**
ChemTel's in county phone numbers: China: **400-120-0751**, Brazil: **0-800-591-6042**, India: **000-800-100-4086** and Mexico: **01-800-099-0731**.
Collect calls are accepted.

3. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health

Flammable liquids	Category 2, H225
Acute toxicity, Oral	Category 4, H302
Acute Toxicity, Inhalation	Category 4, H332
Skin irritation	Category 2, H315
Serious Eye Damage	Category 1, H318
Specific target organ toxicity – single exposure	(Category 3), Respiratory system, H335, Central nervous system, H336
Acute aquatic toxicity	Category 3, H402
Chronic aquatic toxicity	Category 3, H412

GHS Label elements, including precautionary statements:
Pictogram:

Signal word Danger

Hazard Statement(s)

H225	Highly flammable liquid and vapor
H302 + H332	Harmful by inhalation or if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P210	Keep away from heat/spark/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing, protective gloves, and eye/face protection.
P301	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin (hair) with water/shower.
P304 + P340 + P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321	Specific treatment (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS
Repeated exposure may cause skin dryness or cracking.

4. Composition / Information on Ingredients

Component	CAS Number	EC Number	Weight %
2-Propanol	67-63-0	200-661-7	10-30
Formula:	C_3H_8O	Molecular weight:	60.10 g/mol
Synonyms:	Iso-propanol, sec-propyl alcohol, isopropyl alcohol		
Methocel K4M	9004-65-3	-	1-5
Formula:	$[C_{12}H_{20}O_6]_x$	Molecular weight:	Polymer
Synonyms:	Hydroxypropyl Methylcellulose		
Gum Camphor	76-22-2	200-945-0	1-5
Formula:	$C_{10}H_{16}O$	Molecular weight:	152.23 g/mol
Synonyms:	Boman-2-one		
L-Menthol	2216-51-5	218-690-9	0.5-2
Formula:	$C_{10}H_{20}O$	Molecular weight:	156.27 g/mol
Synonyms:	2-Isopropyl-5-methylcyclohexanol, hexahydrothymol		
Water	7732-18-5	231-791-2	55-85

(See Section 9 for Exposure Limits)

Hazardous components

Component	Classification
2-Propanol	Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3; H225, H319, H336
Camphor	Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H228, H302, H315, H319, H335
L-Menthol	Skin Irrit. 2; Eye Dam. 1; STOT SE 3; Aquatic Acute 3; Aquatic Chronic 3; H315, H318, H335, H412

For the full text of the H-Statements mentioned in this Section, see Section 17.

5. First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye: Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.

Skin: Wash affected area thoroughly with soap and water, especially under fingernails and around cuticles. Remove clothing and shoes that came in contact. Take victim immediately to hospital. Consult a physician. Wash contaminated clothing before reuse.

Inhalation: If affected, remove individual to fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (See Section 3, Precautionary Statements) and/or Section 12.

Indication of any immediate medical attention and special treatment needed: No data available.

In all cases be prepared to treat for shock.

6. Fire-fighting Measures

Suitable Extinguishing Media: Use water, water spray, alcohol-resistant foam, dry chemical, and/or carbon dioxide.

Fire Fighting Procedures: Do not flush down sewers or other drainage systems.

Special hazards arising from the substance or mixture: Carbon oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

7. Accidental Release Measures

Keep unnecessary and/or untrained people away. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Isolate spill area and avoid tracking through liquid. Dike and prevent runoff to drains or sewers. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For small spills, collect with an electrically protected vacuum cleaner or by wet-brushing and place into polyethylene drums for later disposal. Large spill may be pumped directly into a storage container for later disposal according to local regulations (see Section 14). Do not wash residue to drain or sewer. Refer to Section 15 for spill/release reporting information. For personal protection see Section 9.

8. Handling and Storage

Handling

Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mists. Use explosion-proof equipment. Keep away from sources of ignition – No smoking. Take measures to prevent the buildup of electrostatic charge. Use only with adequate ventilation. Use good personal hygiene practices. After handling wash hands before eating, drinking, or smoking. Remove contaminated clothing and protective equipment before entering eating areas. Remove contaminated clothing and clean before reuse. Do not reuse clothing items, belts, and shoes that cannot be decontaminated by thorough washing. For precautions see Section 3.

Storage

Store is tightly closed containers in a dry and well-ventilated area that is not exposed to temperature extremes or bright lighting. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids.

Empty containers may contain hazardous residue. Containers may be rinsed clean if the used rinse water is not discharged directly to the sewer or drain. After proper rinsing, empty containers may be disposed.

9. Exposure Controls / Personal Protection

Exposure Limits

Components with workplace control parameters

2-Propanol CAS No. 67-63-0

TWA: 200 ppm
STEL: 400 ppm

Basis: USA ACGIH Threshold Limit Value (TLV)

TWA: 400 ppm
980 mg/m^3

Basis: USA – Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contamination

TWA: 400 ppm
980 mg/m^3
ST: 500 ppm
1,225 mg/m^3

Basis: USA - NIOSH Recommended Exposure Limits

Remarks: Central Nervous System impairment
Upper Respiratory Tract irritation
Eye irritation

Biological Occupational exposure limits

Biological specimen – Urine – 40 mg/L
Basis: ACGIH – Biological Exposure Indices (BEI)
Remarks: End of shift (As soon as possible after exposure ceases)

Camphor CAS No. 76-22-2

STEL: **3** ppm

Basis: USA ACGIH Threshold Limit Value (TLV)

TWA: 2 ppm
TWA: 2 mg/m^3

Basis: USA – Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contamination

TWA: 2 mg/m^3

Basis: USA - NIOSH Recommended Exposure Limits

Remarks: Upper Respiratory Tract irritation
Eye irritation
Anosmia
Not classifiable as a human carcinogen

L-Menthol CAS No. 2216-51-5
Contains no substances with occupational exposure limit values.

Remarks: Not classifiable as a human carcinogen

Engineering Controls:

Local exhaust ventilation may be necessary to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment (PPE)

Eye Protection: Wear safety glasses and face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Have eye-wash stations available where eye contact can occur.

Skin Protection: Avoid skin contact. Wear butyl-rubber or neoprene gloves that are impervious to conditions of use. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good industrial practices. Wash and dry hands.

Full contact:
Material: Nitrile rubber
Minimum layer thickness: 0.4 mm
Break through time: 480 minutes
Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

Splash contact:
Material: Nitrile rubber
Minimum layer thickness: 0.2 mm
Break through time: 60 minutes
Material tested: Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

Should conditions differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist

and safety officer familiar with the specific situation of anticipated use by the consumer. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Use impervious clothing, flame retardant antistatic protective clothing.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

10. Physical and Chemical Properties

Room Temperature Appearance: Tan Colored Gel
Odor: Alcohol like
pH: Not available
Flashpoint: 136°F (P/M CC)
Autoignition Temperature: 425°C
Upper/lower Explosion Limits: Upper explosion limit: 13% (V)
Lower explosion limit: 2% (V)

Boiling Point: 180°F and higher
Melting Point: Not available
Vapor Pressure: 20 mmHg at 20°C (68°F)
Evaporation rate: No data available
Vapor Density: No data available
Specific Gravity: 0.9 – 1.0 @ 20°C
Molecular Formula: Mixture
Molecular Weight: Mixture

11. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Incompatibility: Aluminum, halogenated compounds, acids, reducing agents, and strong oxidizing agents

Conditions to avoid: Heat, flames, and sparks.

Possibility of hazardous reactions: Vapors may form explosive mixture with air.

Hazardous Reactions/Decomposition Products: In event of fire see section 6.

12. Toxicological Information

Acute effects: Eye and nasal irritation, headache, dizziness, unconsciousness

Eye Contact: Causes moderate irritation

Skin Contact: May cause dermatitis or moderate skin irritation. Does not cause skin sensitization.

Inhalation: Inhalation of mist can cause upper respiratory tract irritation.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Acute Toxicity Values:

2-Propanol

LD50 Oral – Rat – 5,045 mg/kg
Remarks: Behavioral:altered sleep time (including change in righting reflex).
Behavioral:Somnolence (general depressed activity).

LC50 Inhalation – Rat – 8 h – 16000 ppm

LD50 Dermal – Rabbit – 12,800 mg/kg

Additional Information:
RTECS: NT8050000
Central nervous system depression, prolonged or repeated exposure can cause: nausea, headache, vomiting, narcosis, drowsiness. Overexposure may cause mild, reversible liver effects. Aspiration may lead to: Lung oedma, Pneumonia. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Kidney – Irregularities – Based on Human Evidence

Camphor:

LD50 oral – Mouse – 1,210 mg/kg

Germ cell Mutagenicity
Mouse – Sister chromatid exchange
.

Additional Information:
RTECS: EX1225000

Menthol:

LD50 Oral – Cat – 800 mg/kg

LD50 Oral – Mouse – 3,400 mg/kg

Inhalation: no data available

LD50 Dermal – Rabbit - > 5,000 mg/kg

LD50 Intraperitoneal – Rat – 700 mg/kg
Remarks: Behavioral: General anesthetic. Behavioral: altered sleep time (including change in righting reflex). Respiratory disorder

LD50 Intraperitoneal – Mouse – 6,600 mg/kg

LD50 Intraperitoneal – Cat – 800 mg/kg

LD50 Subcutaneous – Rat – 1,000 mg/kg

LD50 Subcutaneous – Mouse – 5,000 mg/kg

Additional Information:
RTECS: OT0700000
Inhalation – May cause respiratory irritation.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Carcinogenicity:

IARC: Group 3: No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible, or confirmed human carcinogen by ACGIH.

NTP: No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible, or confirmed human carcinogen by NTP.

OSHA: No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible, or confirmed human carcinogen by OSHA.

13. Ecological Information:

Toxicity:

Exclusive to Camphor:
Fish LC50 – Pimephales promelas (fathead minnow) – >5,000 mg/L – 96 h

Exclusive to L-Menthol:
Fish LC50 - Pimephales promelas (fathead minnow) - 18.9 mg/l - 96 h

Indication of bioaccumulation

Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

14. Disposal Considerations

Waste treatment methods

Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Packaging
Dispose of as unused product

15. Transport Information

U.S. Department of Transportation (DOT)
Proper Shipping Name: Consumer Commodity ORM-D
Labels Required: Consumer Commodity ORM-D

International Maritime Organization (IMDG)
Proper Shipping Name: Flammable Liquid n.o.s.
Hazard Class: 3
UN/NA Number: UN 1993
Packing Group: III
Labels Required: 3

IATA
Proper Shipping Name: Flammable Liquid n.o.s.
Hazard Class: 3
UN/NA Number: UN 1993
Packing Group: III
Labels Required: 3

16. Regulatory Information

Code letter and hazard designation of product:


Warning

Danger

Flammable

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):
No components in this material have an RQ value.

SARA 302 Components: No chemicals in the product are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:
The following component is subject to reporting levels established by SARA Title III, Section 313:

2-Propanol CAS-No. 67-63-0 Revision Date: 1987-01-01

SARA 311/312 Hazards:

2-Propanol:	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
Camphor:	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
L-Menthol:	Acute Health Hazard

State Regulations

Massachusetts Right to Know Components:

	CAS-No.	Revision Date
2-Propanol	67-63-0	1987-01-01
Boman-2-one	76-22-2	

Pennsylvania Right to Know Components:

	CAS-No.	Revision Date
2-Propanol	67-63-0	1987-01-01
Boman-2-one	76-22-2	1993-04-24
L-Menthol	2216-51-5	
Water	7732-18-5	

New Jersey Right to Know Components:

	CAS-No.	Revision Date
2-Propanol	67-63-0	1987-01-01
Boman-2-one	76-22-2	1993-04-24
L-Menthol	2216-51-5	
Water	7732-18-5	

California Prop. 65 Components:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

International Regulations

Canadian Environmental Protection Act: All chemicals in this product are included in the Canadian Domestic Substances List.

Canadian Workplace Hazardous Materials Information System (WHMIS): The following chemicals are included in the WHMIS.

Name	CAS-No.
2-Propanol	67-63-0

17. Other Information

Full text of H-Statements referred to under sections 3 and 4.

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Irrit.	Eye irritation.
Eye Dam.	Serious Eye damage
Flam. Liq.	Flammable liquids
Flam. Sol.	Flammable solids
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit	Skin irritation
STOT SE	Specific target organ toxicity – single exposure

HMIS Rating

Health hazard:	2
Chronic Health Hazard:	*
Flammability	3
Physical Hazard	2

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health:	2
Flammability:	3
Reactivity:	2

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