

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product name Nix Creme Rinse 1%
Therapeutic use Lice treatment
Description Orange liquid cream with a sweet odor

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Amount</u>
Isopropanol*	67-63-0	20.2%
Permethrin*	52645-53-1	1.1%
Propylene glycol	57-55-6	Proprietary
Methylparaben	99-76-3	Proprietary
Stearalkonium Chloride	122-19-0	Proprietary
Hydrolyzed Animal Protein	9015-54-7	Proprietary
Hydroxyethyl cellulose*	9004-62-0	Proprietary
Polyoxyethylene 10-Cetyl ether	Not assigned	Proprietary
Cetyl alcohol*	36653-82-4	Proprietary
Balsam Fir Canada	Not assigned	Proprietary
Propylparaben	94-13-3	Proprietary
Fragrance*	Not assigned	Proprietary
Citric acid*	77-92-9	Proprietary
FD&C Yellow No. 6	2783-94-0	Proprietary
Purified water	7732-18-5	Proprietary

*Hazardous

Note: Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

SECTION 3 - HAZARDS IDENTIFICATION

Signal word	CAUTION!
Statements of hazard	FLAMMABLE! MAY CAUSE EYE AND RESPIRATORY TRACT IRRITATION. MAY CAUSE NERVOUS SYSTEM EFFECTS
Eye effects	Possible eye irritant
Skin effects	No data available.
Inhalation effects	Possible respiratory irritant An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).

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Ingestion effects
Additional data

No data available.

For a more detailed discussion of potential health hazards and toxicity see Section 11.

NOTE:

This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

SECTION 4 - FIRST AID MEASURES

Eyes

Immediately flush eyes with water for at least 15 minutes until no evidence of product remains. If irritation occurs or persists, get medical attention.

Skin

Wash exposed area with soap and water, remove contaminated clothing and obtain medical assistance if irritation occurs.

Inhalation

Remove to fresh air. If discomfort persists, get medical attention.

Ingestion

In the event of swallowing this material, seek medical assistance if symptoms develop. Do not induce vomiting unless directed by medical personnel. Give water to dilute unless instructed to do otherwise.

SECTION 5 - FIRE FIGHTING MEASURES

General hazard

Toxic or irritant gases can be expected during heating or in case of fire.

Fire fighting instructions

Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear.

Extinguishing media

Use carbon dioxide, dry chemical, or water spray.

Flash point

31°C

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General

Review Sections 3, 8 and 12 before proceeding with clean up.

Small spill

Use absorbant material to wipe up spill and place in a sealed container for disposal. Clean spill area thoroughly.

Large spill

Contain the source of the spill or leak if it is safe to do so. Collect spill with a non-combustible absorbent material and

transfer to labeled container for disposal. Clean spill area thoroughly.

SECTION 7 - HANDLING AND STORAGE

General handling	Avoid contact with eyes. Avoid contact with skin and clothing. Avoid breathing vapor or mist.
Storage conditions	Keep in tightly closed containers away from heat and light. Keep away from heat, sparks, flame, and other sources of ignition.
Temperature range	No data available for storage

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Isopropanol	ACGIH	TWA-8 Hr	400 ppm
	ACGIH	STEL	500 ppm
	OSHA	TWA-8 Hr	400 ppm
Propylene glycol	AIHA-WEEL	TWA-8 Hr	50 ppm (total)
	AIHA-WEEL	TWA-8 Hr	10 mg/m ³ (aerosol)
	UK OES	TWA-8 Hr	150 ppm (vapor & particulates)
Hydroxyethyl cellulose	ACGIH	TWA-8 HR	3 mg/m ³ (respirable particulate)
	ACGIH	TWA-8 HR	10 mg/m ³ (total dust)

Ventilation	Good general ventilation should be sufficient to control airborne levels.
Eye protection	Glasses or goggles are recommended if eye contact is possible.
Skin protection	Wear protective clothing when working with large quantities.
Hand protection	Wear protective gloves to avoid repeated skin contact.
Respiratory protection	Respirators are not required for normal use of this material. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical form	Liquid, cream
Color/odor	Orange / Sweet
Molecular weight	Mixture
Molecular formula	Mixture
pH	No data available
Density	0.785 g/cm ³ at 20°C
Water solubility	No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Stable
Conditions to avoid	Avoid direct sunlight, conditions that might generate heat, and sources of ignition.
Incompatibilities	None known
Hazardous decomposition products	None known
Hazardous polymerization	Will not occur

SECTION 11 - TOXICOLOGY INFORMATION

Acute toxicity

<u>Compound</u>	<u>Type</u>	<u>Route</u>	<u>Species</u>	<u>Result</u>
Isopropanol	LD50	Oral	Rat	4570 mg/kg
	LD50	Dermal	Rabbit	13400 mg/kg
	LC50	Inhalation	Rat	30 mg/l
	Irritation	Ocular	Rabbit	Severe
	Irritation	Dermal	Rabbit	Mild
Permethrin	LD50	Oral	Mouse	424 mg/kg
	LD50	Oral	Rat	383 mg/kg
	LD50	Dermal	Rabbit	>2000 mg/kg
	LD50	Inhalation	Rabbit	685 mg/m ³
Propylene glycol	Irritation	Dermal	Rabbit	Mild
	Irritation	Ocular	Rabbit	Mild
Citric acid	LD50	Oral	Rat	3000 mg/kg

Eye	Possible eye irritant.
Skin	Not determined for this product.
Inhalation	Possible respiratory irritant
Ingestion	Not determined for this product.
Mutagenicity	Not determined for this product.
Subchronic effects	Not determined for this product.
Chronic effects/carcinogenicity	Not determined for this product.
Carcinogen status	None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.
Reproductive effects	Not determined for this product

Teratogenicity	Not determined for this product.
Additional information	Effects reported during consumer use include nausea, vomiting, headache, and diarrhea.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental overview	The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.
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SECTION 13 - DISPOSAL INFORMATION

Disposal procedure	Observe all local and national regulations when disposing of this material.
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SECTION 14 - TRANSPORTATION INFORMATION

General shipping instructions:	This material is regulated for transport under USDOT, ADR, IMDG, and IATA regulations.
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Proper shipping name	Flammable liquid, n.o.s. (contains isopropanol)
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Identification number	UN 1993
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Hazard class	3 (Flammable liquid)
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Packing group	III
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Note:	For small quantities, limited to inner packaging less than or equal to 5.0L (1.3 gal) and outer packaging less than or equal to 30 kg (66 lb.) gross weight, the following may be used:
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U.S. DOT proper shipping name	Consumer Commodity
U.S. DOT hazard class	ORM-D
IATA name (via air)	Consumer Commodity
IATA UN/ID No	ID 8000
IATA hazard class	Miscellaneous (<i>mark ORM-D Air</i>)
IATA packing group	III
IMDG name (via water)	Flammable liquid, n.o.s. (contains isopropyl alcohol), Limited Quantity
IMDG number	UN 1993
IMDG hazard class	3
IMDG packing group	III

SECTION 15 - REGULATORY INFORMATION

EU Classification Not classified
Risk phrases R10 - Flammable.
Safety phrases S7 - Keep container tightly closed.
S16 - Keep away from sources of ignition - No smoking.
Canadian WHMIS Class B, Division 2 (flammable liquid)

SECTION 16 - OTHER

Disclaimer The information contained in this Material Safety Data Sheet is believed to be accurate, and while it is provided in good faith, it is without a warranty of any kind, express or implied.

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