

# MATERIAL SAFETY DATA SHEET

## SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name <b>Spray Nine®</b>	Product Use: <b>Multi-purpose germicidal cleaner</b>	Formula Index: <b>01</b>
Manufacturer's Name <b>Knight Marketing Corporation</b>	Emergency Telephone Number <b>1-800-477-7299 CHEMTREC # 1-800-424-9300</b>	
Address (Number, Street, City, State, and ZIP Code) <b>251 N. Comrie Avenue</b>	Telephone Number For Information <b>518-762-4591 Fax: 518-762-2566</b>	
<b>Johnstown, NY 12095</b>	Date Prepared <b>June 14, 2000</b>	
	Signature of Preparer (optional) <b>Michael L. Pozefsky</b>	

**HMIS Rating: HEALTH-1 FLAMMABILITY-0 REACTIVITY-0 PERSONAL PROTECTION-B**

**WHMIS Rating: EXEMPT**

## SECTION II. HAZARDOUS INGREDIENT INFORMATION (Per 29 CFR 1910.1200)

Component	CAS Registry #	wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
Nonylphenol hydroxy polyoxyethylene	9016-45-9	1-3	Not Est.	Not Est.
2-Butoxyethanol	111-76-2	1-5	25ppm	50ppm

## SECTION III. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Transparent liquid. Mild citrus odor. Causes reversible eye and skin irritation. Practically non-toxic by inhalation. Breathing mist may cause irritation. Practically non-toxic by ingestion.

### POTENTIAL HEALTH EFFECTS:

**EYE CONTACT:** Will sting and cause reversible irritation. Draize score of 20 out of a possible 110 (Rabbit, unwashed), clearing within 3 days with no corneal opacity or damage to iris.

**SKIN CONTACT:** May cause mild to moderate reversible irritation. Based on the overall results of a 14-day primary irritation study in rabbits, product is classified as slightly irritating to the skin (primary dermal irritation index of 1.1). Practically non-toxic by skin absorption. LD50>2,000 mg/kg (Rabbit).

**INHALATION:** Practically non-toxic. LD50>200 g/L (Rat). Breathing mist may cause irritation.

**INGESTION:** Practically non-toxic. LD50: 13 cc/kg (Rat).

**MEDICAL CONDITION AGGRAVATED BY EXPOSURE:** Persons with pre-existing skin disorders or sensitivity may be more susceptible to irritation. May aggravate asthma, emphysema or other respiratory disorders.

**CHRONIC EFFECTS:** None known based on ingredient safety data, supportive technical information and extensive product history.

## SECTION IV. FIRST AID MEASURES

**EYE CONTACT:** Flush immediately with water for 15 minutes. If contact lenses are worn, remove immediately as they may contribute to the severity of the irritation. Contact physician.

**SKIN CONTACT:** Flush with water for 15 minutes. Contact physician if irritation persists.

**INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If breathing is stopped, begin artificial respiration. Get medical attention immediately.

**INGESTION:** Do not induce vomiting. Drink plenty of water. Contact physician immediately.

**NOTE TO PHYSICIAN:** None known.

## SECTION V. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES:

FLASH POINT: 182 °F

METHOD USED: TCC

### FLAMMABLE LIMITS

LFL: Not Est.

UFL: Not Est.

**EXTINGUISHING MEDIA:** Alcohol-type or all-purpose-type foam for large fires. Use carbon dioxide or dry chemical media for small fires.

**FIRE & EXPLOSION HAZARDS:** None known. Product was tested according to ASTM D 4206 and did not sustain combustion.

**FIRE FIGHTING INSTRUCTIONS:** Wear protective clothing and respiratory protection. Water may be used to cool fire exposed containers.

**FIRE FIGHTING EQUIPMENT:** None known.

**SENSITIVITY TO MECHANICAL IMPACT:** No sensitivity known.

**SENSITIVITY TO STATIC DISCHARGE:** No sensitivity known.

## SECTION VI. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing. Where possible, salvage for use or absorb on suitable material and collect for disposal. Thoroughly rinse area with water.

**CAUTION:** Spill area may be slippery. For large spills, dike area to prevent spreading and contact appropriate environmental agency.

## SECTION VII. HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Keep out of reach of children.

## SECTION VIII. PERSONAL PROTECTION / EXPOSURE CONTROLS

**EYE PROTECTION:** The use of safety glasses is recommended.

**SKIN PROTECTION:** The use of chemical resistant gloves is recommended for prolonged use.

**RESPIRATORY PROTECTION:** Not required under normal conditions of use.

**ENGINEERING CONTROLS:** None known.

**EXPOSURE GUIDELINE (S):** Use only in a well ventilated area.

## SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Transparent	<b>PHYSICAL STATE:</b>	Liquid
<b>BOILING POINT:</b>	-212 °F	<b>SOLUBILITY IN WATER:</b>	Complete
<b>EVAPORATION RATE:</b>	>1	<b>SPECIFIC GRAVITY:</b>	1.020
<b>FREEZING POINT:</b>	-32 °F	<b>VAPOR DENSITY:</b>	>1
<b>MELTING POINT:</b>	N/A	<b>VAPOR PRESSURE:</b>	~18mm
<b>MOLECULAR WEIGHT:</b>	N/A	<b>VISCOSITY:</b>	N/A
<b>ODOR:</b>	Mild citrus	<b>% VOLATILE:</b>	~95
<b>pH:</b>	12.75		

## SECTION X. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide and nitrogen oxides

**HAZARDOUS POLYMERIZATION:** Will not occur.

## SECTION XI. TOXICOLOGICAL INFORMATION

**EYE:** Not Available

**SKIN:** Not Available

**INHALATION:** Not Available

**INGESTION:** Not Available

**SUBCHRONIC:** Not Available

**CHRONIC / CARCINOGENICITY:** Not available. Contains no known carcinogens.

**TERATOLOGY:** Not Available

**REPRODUCTION:** Not Available

**MUTAGENICITY:** Not Available

**SENSITIZATION:** Not Available

**SECTION XII. ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL INFORMATION: Not Available  
DISTRIBUTION: Not Available  
CHEMICAL FATE INFORMATION: Not Available

**SECTION XIII. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with federal, state and local regulations.

**SECTION XIV. TRANSPORT INFORMATION (Not meant to be all inclusive)**

D.O.T. SHIPPING NAME: Not Regulated (Product does not sustain combustion).  
CANADIAN TDG SHIPPING NAME: Not Regulated  
TECHNICAL SHIPPING NAME: Not Applicable  
D.O.T. HAZARD CLASS: Not Applicable  
U.N./N.A. NUMBER: Not Applicable  
PRODUCT RQ (LBS): Not Applicable  
D.O.T. LABEL: Not Applicable  
D.O.T. PLACARD: Not Applicable  
FREIGHT CLASS BULK: Not Applicable  
FREIGHT CLASS PACKAGE: Not Applicable  
PRODUCT LABEL: Not Applicable

**SECTION XV. REGULATORY INFORMATION (Not meant to be all inclusive - selected regulation represented)**

TSCA STATUS: All ingredients in this product are either on the inventory or are exempt from being listed.

CERCLA REPORTABLE QUANTITY: This product contains 2-Butoxyethanol which, despite being part of a broad chemical category (Glycol Ethers) on the CERCLA hazardous substance list, does not itself have a reportable quantity.

RA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES : None

SECTION 311/312 HAZARDOUS CATEGORIES : Acute Hazard

SECTION 313 TOXIC CHEMICALS : This product contains 1-5% of 2-Butoxyethanol (111-76-2), which is part of a chemical category (Glycol Ethers); therefore, reporting may be required under Section 313.

RCRA STATUS: Not Applicable

CALIFORNIA PROPOSITION 65: This product may require additional chemical disclosure for California Proposition 65. Additional information is available from the manufacturer upon request.

ADDITIONAL INFORMATION/COMMENTS: This product is controlled by Canadian Pest Control Act and therefore is exempt from Work Place Hazardous Information System (WHMIS). (Registration #14521 PCPAct, DIN 02160331)

**SECTION XVI. OTHER INFORMATION**

MSDS STATUS:

**Disclaimer:** The information contained herein is based on data we believe to be reliable as of the date of preparation of this Material Safety Data Sheet. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used. We assume no liability or responsibility for loss or damage resulting from the improper or abnormal use or handling of our products, from incompatible product combinations, from the failure to follow instructions and warnings in the product's label and Material Safety Data Sheet, or from any failure to adhere to recommended practices.