

**MATERIAL SAFETY DATA SHEET: COILEX, M/M**

DATE OF ISSUE: 01/09/2006

SUPERCEDES: 01/05/2006

**SECTION I - GENERAL INFORMATION****Chemical Name & Synonyms:**

N/A

**Chemical Family:**

AQUEOUS SURFACTANT

**Manufacturer's Name:**

CERTIFIED LABS, DIV. OF NCH CORP.

**Address:**

BOX 152170

IRVING, TEXAS 75015

**Prepared By:**

R Mohochi/Chemist

**Product Code Number**

K006

**Emergency Phone Number**

800-424-9300

**SECTION II - HAZARDOUS INGREDIENTS**

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

<u>Chemical Name (Ingredients)</u>	<u>Hazard</u>	<u>TLV</u>	<u>PEL</u>	<u>STEL</u>	<u>CAS #</u>
NONYLPHENOL POLYETHOXYLATE	IRRITANT	N/E 1	N/E 2	N/E	9016-45-9
DIETHANOLAMINE	IRRITANT	2MG/M3 1	N/E 2	N/E	111-42-2

**SECTION III - PHYSICAL DATA**

<b>Boiling Point (f):</b>	212°	<b>Specific Gravity (H2O=1):</b>	1.01
<b>Vapor Pressure (MM HG):</b>	17.16	<b>Color:</b>	GREEN
<b>Vapor Density (Air=1):</b>	0.6	<b>Odor:</b>	MINT
<b>PH @ 100% :</b>	9.8	<b>Clarity</b>	TRANSPARENT
<b>% Volatile by Volume:</b>	82	<b>Evaporation Rate (BU A/C=1):</b>	0.50
<b>H2O Solubility:</b>	COMPLETE	<b>Viscosity:</b>	NON-VISCOUS

**SECTION IV - FIRE AND EXPLOSION HAZARD**

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
>200°F / SETAFLASH	DIETHANOLAMINE	1.6%	9.8%

**Extinguishing Media:**

Foam:X Alcohol Foam:X CO2:X Dry Chemical:X Water Spray:X Other:

**Special Fire Fighting Procedures:**

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

**Unusual Fire and Explosion Hazards:**

THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

**NFPA Hazard Rating:** (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Health:2

Flammability:1

Instability:0

Special:

**SECTION V - HEALTH HAZARD DATA****Threshold Limit Value:**

2 PPM AS DIETHANOLAMINE 1.

**Effects of Overexposure:****-Acute(Short Term Exposure)**

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, SWELLING, STINGING, REDNESS, BLURRED

VISION, AND A BURNING SENSATION. PROLONGED CONTACT MAY CAUSE IRREVERSIBLE DAMAGE OF THE EYE. SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. PROLONGED OR REPEATED CONTACT MAY CAUSE SWELLING AND TISSUE DESTRUCTION. PRODUCT MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. INHALATION: MAY CAUSE CHEST PAIN AND RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. MAY CAUSE DIFFICULTY IN BREATHING AND NOSE AND THROAT IRRITATION. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, WEAKNESS, STAGGERING GAIT, NAUSEA, BLURRED VISION, EXCITATION, AND IN EXTREME CASES COMA OR DEATH.

**-Chronic (Long Term Exposure)**

OVEREXPOSURE TO THIS MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF MILD, REVERSIBLE LIVER AND KIDNEY EFFECTS IN LABORATORY ANIMALS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: LIVER, LUNGS, CENTRAL NERVOUS SYSTEM, TESTES, AND KIDNEYS. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

**Primary Routes of Entry:** Inhalation: Ingestion:X Absorption:X

**Emergency and First Aid Procedures:**

**-Inhalation:**

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

**-Eye Contact:**

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

**-Skin Contact:**

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

**-Ingestion:**

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

**-Notes to Physician:**

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

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**SECTION VI - TOXICITY INFORMATION**

**Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:**

IARC: No NTP: No OSHA: No ACGIH: No OTHER: No

**VOC CONTENT: 0.3% BY WEIGHT; 0.4% BY VOLUME; 3 G/L**

**NONYLPHENOL POLYETHYLENE GLYCOL ETHER**

**ORL-RAT LD50: 1.3 G/KG 4.**

**SKN-RBT LD50: 2 ML/KG/24HR OCCLUDED 4.**

**SKN-RBT: NO IRRITATION (UNCOVERED) 4.**

**EYE-RBT: 0.5 ML @ 5% DILUTION (SEVERE CORNEAL INJURY) 4.**

CONTAINS SURFACTANT WHICH, BASED ON STUDIES WITH RABBITS INVOLVING THE SUSTAINED OCCLUDED CONTACT OF THE UNDILUTED SURFACTANT WITH SKIN, INDICATE THAT SUCH CONDITIONS MAY RESULT IN THE DEVELOPMENT OF INFLAMMATORY CHANGES IN THE LUNG. SEVERAL STUDIES HAVE RESULTED IN SLIGHTLY INCREASED KIDNEY WEIGHTS IN MALE RATS CONTINUOUSLY EXPOSED TO NONYLPHENOL AT DIETARY CONCENTRATIONS OF 200 PPM OR GREATER. TUBULAR DEGENERATION WAS OBSERVED AT 650 AND 2000 PPM. 4.

**DIETHANOLAMINE**

**IHL-RAT MIST/VAPOR STUDY AT 170°C FOR 8 HRS,**

**MORTALITY: 0/6, IRRITATION 4.**

**ORL-RAT LD50: 620 UL/KG 3.**

**SKN-RBT LD50: 7640 UL/KG 3.**

**SKN-HMN: NON-SENSITIZING 4.**

**SKN-RBT SDT: 500 MG/24H MILD 3.**

**EYE-RBT SDT: 5500 MG SEVERE 3.**

INGESTION OF DIETHANOLAMINE PRODUCED NERVOUS SYSTEM INJURY IN DOGS AND RATS. HEART AND SALIVARY GLAND LESIONS HAVE ALSO BEEN OBSERVED IN MICE TREATED CUTANEOUSLY AND IN DRINKING WATER. RATS GIVEN HIGH DOSES DEVELOPED ANEMIA AND TESTICULAR LESIONS. IN A 90-DAY DIETARY STUDY WITH RATS, THE RATS THAT RECEIVED 4.0, 2.0, 1.0, AND 0.5% OF DIETHANOLAMINE DIED WITHIN 4 TO 30 DAYS. THE MAJOR SIGNS WERE CLOUDY SWELLING AND DEGENERATION OF THE KIDNEY TUBULES AND EARLY FATTY DEGENERATION OF THE LIVER. 4. IN THEIR PRELIMINARY REPORT, THE NTP HAS CONCLUDED THAT THERE IS NO EVIDENCE OF CANCER IN MALE AND FEMALE RATS AND CLEAR EVIDENCE OF LIVER TUMORS AND SOME EVIDENCE OF KIDNEY TUMORS IN MALE MICE AND CLEAR EVIDENCE OF LIVER TUMORS IN FEMALE MICE DERMALLY EXPOSED FOR THEIR LIFETIME. 4.

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#### SECTION VII - REACTIVITY DATA

**Stability:**

Stable: X

Unstable:

Conditions to Avoid: NONE KNOWN.

**Incompatibility (Materials to Avoid):**

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; REDUCING AGENTS SUCH AS SODIUM THIOSULFATE; ACIDS, BASES, ALDEHYDES, FORMATES, KETONES, ORGANIC ANHYDRIDES AND HALIDES, OXALATES, AND MATERIALS REACTIVE WITH HYDROXYL COMPOUNDS. UNDER CERTAIN CONDITIONS, MAY REACT WITH NITRITES OR OTHER NITROSATING AGENTS TO FORM CARCINOGENIC NITROSAMINES.

**Hazardous Decomposition Products:**

OXIDES OF CARBON AND NITROGEN; AMMONIA.

**Hazardous Polymerization:**

May Occur:

Will Not Occur: X

Conditions to Avoid: N/A

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#### SECTION VIII - SPILL OR LEAK PROCEDURES

**Steps to be Taken if Material is Released or Spilled:**

WEAR APPROPRIATE PROTECTIVE CLOTHING. USE CARE AS SPILLS MAY BE SLIPPERY. VENTILATE THE AREA. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

**Waste Disposal Method(s):**

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

**Neutralizing Agent:**

N/A

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#### SECTION IX - SPECIAL PROTECTION INFORMATION

**Required Ventilation:**

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS OR VAPORS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

**Respiratory Protection:**

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

**Glove Protection:**

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

**Eye Protection:**

CHEMICAL GOGGLES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

**Other Protection:**

WEAR GENERAL DUTY WORK CLOTHING AND SHOES. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE. REMOVE SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

**SECTION X - STORAGE AND HANDLING INFORMATION****Storage Temperature:**

Indoors:X

Outdoors:

Heated:

Refrigerated:

Minimum Temperature:35°F

Maximum Temperature:120°F

**Precautions to be taken in Handling and Storing:**

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

**Other Precautions:**

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. TRACES OF FREE ETHYLENE OXIDE MAY BE PRESENT IN THIS PRODUCT AND COULD ACCUMULATE IN THE HEADSPACE OF STORAGE AND TRANSPORT VESSELS.

**SECTION XI - REGULATORY INFORMATION****Chemical Name****CAS Number****Upper % Limit**

DIETHANOLAMINE

111-42-2

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Those Ingredients listed above are subject to the reporting requirements of 313 of Title III& of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

PLEASE CALL 1-800-527-9919 FOR ADDITIONAL INFORMATION IF YOU ARE A CALIFORNIA CUSTOMER.  
THIS MSDS IS NOT INTENDED FOR USERS IN THE STATE OF CALIFORNIA

**SECTION XII - REFERENCES**

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2005. 2. OSHA PEL. 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2005. 4. VENDOR'S MSDS. ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING. IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIAN, PNOS:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MANTEK, DIVISION OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product.

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M A T E R I A L   S A F E T Y   D A T A   S H E E T
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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
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PRODUCT NAME : MAJIC AEROSOL CLEAR  
 IDENTIFICATION NUMBER: 8-20160  
 PRODUCT USE/CLASS : Aerosol Spray

DATE PRINTED: 10/11/02

SUPPLIER:  
 Yenkin-Majestic Paint Corporation  
 1920 Leonard Avenue  
 Columbus, OH 43219 USA

MANUFACTURER:  
 Yenkin-Majestic Paint Corporation  
 1920 Leonard Avenue  
 Columbus, OH 43219 USA

CHEMTREC: 1-800-424-9300  
 24 Hr. Emergency Hotline

CHEMTREC: 1-800-424-9300  
 24 Hr. Emergency Hotline

PREPARER: Tony L. Montjoy, PHONE: 614-253-8511, PREPARE DATE: 03/14/02

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS
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ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	TOLUENE	108-88-3	30.0 %
02	XYLENE	1330-20-7	25.0 %
03	PROPANE	74-98-6	20.0 %
04	N-BUTANE	106-97-8	15.0 %
05	ALIPHATIC HYDROCARBON	8032-32-4	10.0 %
06	ETHYL BENZENE	100-41-4	10.0 %

EXPOSURE LIMITS						
ITEM	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	50 PPM	150 ppm	100 PPM	300 PPM	N.E.	YES
02	100 PPM	150 PPM	100 PPM	N.E.	N.E.	NO
03	N.E.	N.E.	1000 ppm	N.E.	N.E.	NO
04	800 ppm	N.E.	800 ppm	N.E.	N.E.	NO
05	300 PPM	N.E.	300 ppm	N.E.	N.E.	NO
06	100 ppm	N.E.	100 ppm	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

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**SECTION 3 - HAZARDS IDENTIFICATION**

\*\*\* EMERGENCY OVERVIEW \*\*\*: Harmful if inhaled. Harmful if absorbed through skin. May cause delayed lung damage. Cause (target organ or system) damage. (e.g., lung, nervous system, blood disorders, liver, kidney, immune system, cardiovascular system, thyroid, testicular, ovarian, etc.). Vapors irritating to eyes and respiratory tract. High vapor concentrations may cause drowsiness. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Breathing saturated vapors for a few minutes may be fatal. Saturated vapors can be encountered in confined spaces and/or under conditions of poor ventilation. When incorporated in the liquid paint, pigments or extenders pose a minimal risk of exposure. Sanding or abrading the dried paint film increases the risk of exposure. Proper respiratory protection MUST be worn when sanding or abrading surfaces painted with this product.

EFFECTS OF OVEREXPOSURE - INGESTION: Irritating to mouth, throat and stomach.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure may cause nervous system damage. Overexposure may cause lung damage. May cause cardiovascular disorder and damage. IARC has classified Ethylbenzene as possibly carcinogenic to humans on the basis of sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Ethylbenzene is NOT classified as carcinogenic by NTP or OSHA.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION EYE CONTACT

**SECTION 4 - FIRST AID MEASURES**

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

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**SECTION 4 - FIRST AID MEASURES**

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**FIRST AID - INGESTION:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**SECTION 5 - FIRE FIGHTING MEASURES**

**FLASH POINT:** -156 F

**LOWER EXPLOSIVE LIMIT:** 0.9 %

**UPPER EXPLOSIVE LIMIT:** 9.5 %

**AUTOIGNITION TEMPERATURE:** N.D.

**EXTINGUISHING MEDIA:** ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and may be ignited by pilot lights, other flames, sparks heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Eliminate or shut off ALL ignition sources prior to usage.

**SPECIAL FIREFIGHTING PROCEDURES:** Containers can build up pressure if exposed to heat (fire).

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**SECTION 7 - HANDLING AND STORAGE**

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Keep away from heat, sparks and flame.

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**RESPIRATORY PROTECTION:** Use ONLY in areas with adequate ventilation. If this product is used in an area without adequate ventilation (inside an enclosed room or building) a NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister MUST be used.

**SKIN PROTECTION:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Rubber, Nitrile or Neoprene to prevent skin contact.

**EYE PROTECTION:** No Information.

**OTHER PROTECTIVE EQUIPMENT:** No Information.

**HYGIENIC PRACTICES:** Wash hands before eating. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid contact with eyes, skin, and clothing.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING RANGE	: -42 - 303 F	VAPOR DENSITY	: Is heavier than air
ODOR	: Organic Solvent	ODOR THRESHOLD	: N.D.
APPEARANCE	: Aerosol Spray	EVAPORATION RATE	: Is faster than Ether
SOLUBILITY IN H2O	: Insoluble		
FREEZE POINT	: N.A.	SPECIFIC GRAVITY	: 0.7426
VAPOR PRESSURE	: N.D.	pH @ 0.0 %	:
PHYSICAL STATE	: Aerosol	VISCOSITY	: N.A.
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D			

(See Section 16 for abbreviation legend)

**SECTION 10 - STABILITY AND REACTIVITY**

**CONDITIONS TO AVOID:** High temperatures or High humidity. Heat, sparks and open flames.

**INCOMPATIBILITY:** None reasonably foreseeable.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May produce fumes when heated to decomposition, as in welding or fire. Fumes may contain: Carbon Monoxide, Carbon Dioxide and various other hydrocarbons.

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**SECTION 10 - STABILITY AND REACTIVITY**

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

**SECTION 11 - TOXICOLOGICAL PROPERTIES**

No product or component toxicological information is available.

**SECTION 12 - ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION: No Information.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

DISPOSAL METHOD: DO NOT INCINERATE! Dispose of in accordance with all Local, State and Federal Regulations. Approved Hazardous Waste Facility.

**SECTION 14 - TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME: CONSUMER COMODITY

DOT TECHNICAL NAME:

DOT HAZARD CLASS:

HAZARD SUBCLASS:

DOT UN/NA NUMBER: ORM-D

PACKING GROUP:

RESP. GUIDE PAGE:

EXCEPTIONS: No Information.

**SECTION 15 - REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

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## SECTION 15 - REGULATORY INFORMATION

## CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD PRESSURIZED GAS HAZARD

## SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
TOLUENE	108-88-3	30.0 %
XYLENE	1330-20-7	25.0 %
ETHYL BENZENE	100-41-4	10.0 %

## TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

U.S. STATE REGULATIONS: AS FOLLOWS -

## NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
No non-hazardous materials are among the top five ingredients.	

## PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME -----	CAS NUMBER
ACRYLIC COPOLYMER	MIXTURE

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**SECTION 15 - REGULATORY INFORMATION****CALIFORNIA PROPOSITION 65:**

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer:

----- CHEMICAL NAME ----- CAS NUMBER  
No chemicals containing Proposition 65-listed carcinogens exist in this product.

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause birth defects or other reproductive harm:

----- CHEMICAL NAME ----- CAS NUMBER  
No chemicals containing Proposition 65-listed reproductive toxins exist in this product.

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME ----- CAS NUMBER  
TOLUENE 108-88-3  
TOLUENE

**INTERNATIONAL REGULATIONS: AS FOLLOWS -**

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

**SECTION 16 - OTHER INFORMATION**

HMIS RATINGS - HEALTH: 2\* FLAMMABILITY: 4 REACTIVITY: 0

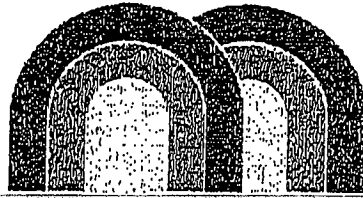
PREVIOUS MSDS REVISION DATE: 03/14/02

VOLATILE ORGANIC COMPOUNDS (VOCs): 5.81 lbs/gal, 696 grams/ltr

LEGEND: N.A. - Not Applicable, N.E. - Not Established,  
N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

<END OF MSDS>

**Yenkin-Majestic**

PAINT CORPORATION

#229  
\$ 6/1/06  
2nd REQUEST  
6-1-06

From M.S.D.S. Department

**MATERIAL SAFETY DATA SHEET REQUEST**

DATE OF REQUEST: 6-1-06 6-2-06

CUSTOMER: Geneva Lakes Cold Storage

ATTENTION: Jerry

ADDRESS:

CITY, STATE, ZIP:

PHONE NUMBER: 262-726-9209

FAX NUMBER: 262-724-4200

PRODUCTS REQUESTED: 8-6923 Lifestyle Oil PD Navy Gray

8-20160, 8-20120, 8-20130

COMMENTS:

NUMBER OF PAGES INCLUDING HEADER SHEET:

FROM THE DESK OF: MARJORIE FOUGHT / M.S.D.S DEPARTMENT

Email address: margief@yenkin-majestic.com

IF YOU HAVE ANY PROBLEMS OR DID NOT RECEIVE THE COMPLETE  
MESSAGE, PLEASE CALL MY OFFICE AT: 614-253-8511 EXT. 314

## M A T E R I A L S A F E T Y D A T A S H E E T

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : MAJIC AEROSOL GLOSS BLACK

IDENTIFICATION NUMBER: 8-20120

DATE PRINTED: 12/03/02

PRODUCT USE/CLASS : Aerosol Spray

## SUPPLIER:

Yenkin-Majestic Paint Corporation  
1920 Leonard Avenue  
Columbus, OH 43219 USA

## MANUFACTURER:

Yenkin-Majestic Paint Corporation  
1920 Leonard Avenue  
Columbus, OH 43219 USA

CHEMTREC: 1-800-424-9300

24 Hr. Emergency Hotline

CHEMTREC: 1-800-424-9300

24 Hr. Emergency Hotline

PREPARER: Tony L. Montjoy, PHONE: 614-253-8511, PREPARE DATE: 05/03/02

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	TOLUENE	108-88-3	25.0 %
02	ACETONE	67-64-1	20.0 %
03	PROPANE	74-98-6	20.0 %
04	N-BUTANE	106-97-8	15.0 %
05	KYLENE	1330-20-7	10.0 %
06	ALIPHATIC HYDROCARBON	8032-32-4	5.0 %
07	NORMAL BUTANOL	71-36-3	5.0 %
08	ETHYL BENZENE	100-41-4	5.0 %

EXPOSURE LIMITS						
ITEM	ACGIH		OSHA		COMPANY	SKIN
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	
01	50 PPM	150 ppm	100 PPM	300 PPM	N.E.	YES
02	500 ppm	750 ppm	750 ppm	1000 ppm	N.E.	NO
03	N.E.	N.E.	1000 ppm	N.E.	N.E.	NO
04	800 ppm	N.E.	800 ppm	N.E.	N.E.	NO
05	100 PPM	150 PPM	100 PPM	N.E.	N.E.	NO
06	300 PPM	N.E.	300 ppm	N.E.	N.E.	NO
07	N.E.	50 PPM*	100 PPM	N.E.	N.E.	YES
08	100 ppm	N.E.	100 ppm	N.E.	N.E.	NO

(See Section 16 for abbreviation legend), \* - Ceiling Value

(Continued on Page 2)

Product: 8-20120

Preparation Date: 05/03/02

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**SECTION 3 - HAZARDS IDENTIFICATION**

\*\*\* EMERGENCY OVERVIEW \*\*\*: Harmful if inhaled. Harmful if absorbed through skin. May cause delayed lung damage. Cause (target organ or system) damage. (e.g., lung, nervous system, blood disorders, liver, kidney, immune system, cardiovascular system, thyroid, testicular, ovarian, etc.). Vapors irritating to eyes and respiratory tract. High vapor concentrations may cause drowsiness. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Allergic reactions are possible. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Extensive, prolonged or repeated exposure to this material can result in significant absorption.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Breathing saturated vapors for a few minutes may be fatal. Saturated vapors can be encountered in confined spaces and/or under conditions of poor ventilation. When incorporated in the liquid paint, pigments or extenders pose a minimal risk of exposure. Sanding or abrading the dried paint film increases the risk of exposure. Proper respiratory protection MUST be worn when sanding or abrading surfaces painted with this product.

EFFECTS OF OVEREXPOSURE - INGESTION: Irritating to mouth, throat and stomach.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure may cause nervous system damage. Overexposure may cause lung damage. May cause cardiovascular disorder and damage. IARC has classified Ethylbenzene as possibly carcinogenic to humans on the basis of sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Ethylbenzene is NOT classified as carcinogenic by NTP or OSHA.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION  
INGESTION EYE CONTACT

**SECTION 4 - FIRST AID MEASURES**

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

(Continued on Page 3)

Product: 8-20120

Preparation Date: 05/03/02

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**SECTION 4 - FIRST AID MEASURES**

**FIRST AID - SKIN CONTACT:** Wash with soap and water. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**FIRST AID - INGESTION:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**SECTION 5 - FIRE FIGHTING MEASURES**

**FLASH POINT:** -156 F.

**LOWER EXPLOSIVE LIMIT:** 0.9 %  
**UPPER EXPLOSIVE LIMIT:** 12.8 %

**AUTOIGNITION TEMPERATURE:** N.D.

**EXTINGUISHING MEDIA:** ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and may be ignited by pilot lights, other flames, sparks heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Eliminate or shut off ALL ignition sources prior to usage.

**SPECIAL FIREFIGHTING PROCEDURES:** Containers can build up pressure if exposed to heat (fire).

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**SECTION 7 - HANDLING AND STORAGE**

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Keep away from heat, sparks and flame.

(Continued on Page 4)

Product: 8-20120

Preparation Date: 05/03/02

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**RESPIRATORY PROTECTION:** Use ONLY in areas with adequate ventilation. If this product is used in an area without adequate ventilation (inside an enclosed room or building) a NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister MUST be used.

**SKIN PROTECTION:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Rubber, Nitrile or Neoprene to prevent skin contact.

**EYE PROTECTION:** No Information.

**OTHER PROTECTIVE EQUIPMENT:** No Information.

**HYGIENIC PRACTICES:** Wash hands before eating. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid contact with eyes, skin, and clothing.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING RANGE	: -42 - 303 F	VAPOR DENSITY	: Is heavier than air
ODOR	: Organic Solvent	ODOR THRESHOLD	: N.D.
APPEARANCE	: Aerosol Spray	EVAPORATION RATE	: Is faster than Ether
SOLUBILITY IN H2O	: Insoluble		
FREEZE POINT	: N.A.	SPECIFIC GRAVITY	: 0.7450
VAPOR PRESSURE	: N.D.	pH @ 0.0 %	:
PHYSICAL STATE	: Aerosol	VISCOSITY	: N.A.
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D			

(See Section 16 for abbreviation legend)

**SECTION 10 - STABILITY AND REACTIVITY**

**CONDITIONS TO AVOID:** High temperatures or High humidity. Heat, sparks and open flames.

**INCOMPATIBILITY:** None reasonably foreseeable.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May produce fumes when heated to decomposition, as in welding or fire. Fumes may contain: Carbon Monoxide, Carbon Dioxide and various other hydrocarbons.

(Continued on Page 5)



Product: 8-20120

Preparation Date: 05/03/02

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## SECTION 10 - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

## SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

## SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DO NOT INCINERATE! Dispose of in accordance with all Local, State and Federal Regulations. Approved Hazardous Waste Facility.

## SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: COMSUMER COMODITY

DOT TECHNICAL NAME:

DOT HAZARD CLASS:

HAZARD SUBCLASS:

DOT UN/NA NUMBER: ORM-D

PACKING GROUP:

RESP. GUIDE PAGE:

EXCEPTIONS: No Information.

## SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

(Continued on Page 6)

Product: 8-20120

Preparation Date: 05/03/02

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## SECTION 15 - REGULATORY INFORMATION

## CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD PRESSURIZED  
GAS HAZARD

## SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
TOLUENE	108-88-3	25.0 %
XYLENE	1330-20-7	10.0 %
NORMAL BUTANOL	71-36-3	5.0 %
ETHYL BENZENE	100-41-4	5.0 %

## TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
ACETONE	67-64-1

## U.S. STATE REGULATIONS: AS FOLLOWS -

## NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
ACRYLIC MODIFIED ALKYD	PROPRIETARY

(Continued on Page 7)

Product: 8-20120

Preparation Date: 05/03/02

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## SECTION 15 - REGULATORY INFORMATION

## PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME -----	CAS NUMBER
ACRYLIC MODIFIED ALKYD	PROPRIETARY

## CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer:

----- CHEMICAL NAME -----	CAS NUMBER
No chemicals containing Proposition 65-listed carcinogens exist in this product.	

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
No chemicals containing Proposition 65-listed reproductive toxins exist in this product.	

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
TOLUENE	108-88-3
TOLUENE	

## INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

## SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2      FLAMMABILITY: 4      REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 05/03/02

VOLATILE ORGANIC COMPOUNDS (VOCs): 5.13 lbs/gal,      615 grams/ltr

(Continued on Page 8)

Product: 8-20120

Preparation Date: 05/03/02

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SECTION 16 - OTHER INFORMATION

LEGEND: N.A. - Not Applicable, N.E. - Not Established,  
~~N.D. - Not Determined~~

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The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

<END OF MSDS>

**Material Safety Data Sheet**  
May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (As Used on Label and List)

**MAPP GAS**

*Note: Blank spaces are not permitted. If any item is not applicable, or  
no information is available, the space must be marked to indicate  
that.*

**SECTION I**

Supplier's Name

**Bernz-O-matic**

Emergency Telephone Number

**585-798-4949**

Address

*Number, Street, City, State and ZIP Code*

**One BernzOmatic Drive  
Medina, NY 14103**

Telephone Number for Information

**585-798-4949**

Date Prepared

**November 10, 2005**

Signature of Preparer (Optional)

**SECTION II - Hazardous Ingredients / Identity Information**

Hazardous Components

*Specific Chemical Identity, Common Name(s)*

**Liquefied Petroleum Gas w/ Methylacetylene**

**Liquefied Petroleum Gas CAS NO. 68476-85-7**

**Methyl Acetylene-Propadiene CAS NO. 56960-91-9**

OSHA PEL

**N/A**

**1000PPM**

**1000PPM**

ACGIH TLV

**N/A**

Other Limits  
Recommended

**N/A**

% (optional)

**56.0**

**44.0**

NFPA HAZARD RATINGS

**Health -2**

**Flammability -4**

**Reactivity -2**

HMIS RATINGS

**Health -0**

**Flammability -4**

**Reactivity -2**

Notes

**SECTION III - Physical / Chemical Characteristics**

Boiling Point

**-54° F to -10° F**

Specific Gravity (H<sub>2</sub>O - 1)

**0.571**

Vapor Pressure (mm Hg)

**@ 70° F**

**97 psig**

Melting Point

**N/A**

Vapor Density (AIR=1)

**1.48**

Evaporation Rate

**Butyl Acetate -1)**

**N/A**

Solubility in Water

**Slight**

Appearance and Odor

**Colorless - unpleasant odor at approx. 100ppm**

**SECTION IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)

**Closed Cup -156° F**

Flammable Limits

**In air by volume**

LEL

**3.0**

UEL

**11.0**

Extinguishing Media

**Eliminate oxygen source or stop flow of gas. Use water to cool cylinder.  
Dry chemical or CO<sub>2</sub> to reduce oxygen.**

Special Fire Fighting Procedures

**Cool cylinders with water. Keep personnel away.**

Unusual Fire and Explosion Hazards **Auto Ignition temp. 850° F. Keep ignition sources away from cylinder and  
continue to cool cylinder until gas flow is shut off. Escaping gas from cylinder may be ignited.**

**SECTION V - Reactivity Data**

Stability →

**Unstable**

**Stable X**

Conditions to Avoid

**Do not expose to temperatures above 125° F.**

Incompatibility (Materials to Avoid)

**Extremely flammable. Avoid uncontrolled contact with oxidizers.**

Hazardous Decomposition or Byproducts

**None**

Hazardous

Polymerization →

**May Occur**

**Will Not Occur X**

Conditions to Avoid

**N/A**

**SECTION VI - Health Hazard Data**

Routes of Entry →	Inhalation? YES	Skin? YES	Ingestion? UNLIKELY
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**Health Hazards (Acute and Chronic)**

**Asphyxiant. May reduce oxygen required for breathing. Liquid gas may freeze skin.**

Carcinogenicity →	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? NO
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**Signs and Symptoms of Exposure**

**Dizziness to unconsciousness if high concentrations of gas replace oxygen for breathing.**

**Medical Conditions Generally Aggravated by Exposure**

**N/A**

**Emergency and First Aid Procedures**

**Remove person to fresh air.. If unconscious, seek medical attention.**

**Warning**

**This fuel, and byproducts of combustion of this fuel, contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.**

**SECTION VII - Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled**

**Remove ignition sources. Ventilate area.**

**Waste Disposal Method**

**Vent to atmosphere in outdoor area free of all sources of ignition.**

**Precautions to be Taken in Handling and Storing**

**Store in well ventilated area away from all ignition sources.**

**Store at temperatures below 125° F. Store out of direct sunlight.**

**Other Precautions**

**N/A**

**SECTION VIII - Control Measures****Respiratory Protection (Specify Type)**

**Not required with normal use.**

Ventilation →	Local Exhaust Advisable when welding.	Mechanical (General) N/A	Special N/A	Other N/A
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Protective Gloves Advisable when welding.	Eye Protection Use filter shade No. 4 or darker when welding.
--	--

**Other Protective Clothing or Equipment**

**N/A**

**Work / Hygienic Practices**

**N/A**

**SECTION IX - Shipping Information**

WHMIS Classification: A - Compressed Gas & B1-Flammable Gas		Class: 2.1 -	
DOT	Proper Shipping Name Methyl Acetylene and Propadiene Mixtures, Stabilized	Hazard Classification Flammable Gas	UN. No. 1060