

Issued to . . . . . : The Brewer Company  
3852 W 159th Place

Markham IL 60428

Attention: . . . . . : Material Safety Data Sheet Coordinator

The attached Material Safety Data Sheet relates potential hazards and recommended practices for safe handling of the product.

We urge you and your employees to review the entire MSDS prior to handling, use or disposal of the product.

You are required to keep this MSDS on file for reference by company employees or government regulatory officials.

If you resell or distribute this product, you must furnish a copy of the MSDS to your customer.

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  
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CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT CODE . . . . : 01449 104178 713  
PRODUCT NAME . . . . : HIGH VIZ YELLOW INVERTED TIP 17OZ  
PRODUCT CLASS . . . . : Aerosol Coating

MSDS PREPARATION DATE : 03/27/2013

MANUFACTURER IDENTIFICATION:

RAABE COMPANY  
PO BOX 1090

CUSTOMER IDENTIFICATION:

The Brewer Company  
3852 W 159th Place

MENOMONEE FALLS WI 53052-1090 Markham IL 60428

EMERGENCY TELEPHONE NUMBERS:

24 HOURS A DAY - CALL CHEMTREC : 800-424-9300  
INTERNATIONAL CALLS TO CHEMTREC : 703-527-3887  
8 AM TO 4:30 PM CENTRAL TIME : 262-255-9500

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS  
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1 ALIPHATIC PETROLEUM DISTILLATE

CAS# 64742-89-8

ALIPHATIC PETROLEUM DISTILLATES

PCT BY WT: 7.0000 LEL .90

EXPOSURE LIMIT:

ACGIH TLV-TWA 300 ppm  
ACGIH TLV-STEL NO INFO  
LD50(ORAL) 5840 mg/kg  
LD50(DERMAL) 2920 mg/kg  
LC50 10000 mg/m3

## OTHER LIMITS:

EINECS 265-192-2

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2 CALCIUM CARBONATE

CAS# 1317-65-3

CALCIUM CARBONATE

PCT BY WT: 8.0000

## EXPOSURE LIMIT:

ACGIH TLV-TWA	10 mg/m3
ACGIH TLV-STEL	NO INFO
OSHA PEL-TWA	10 mg/m3
COMPANY	N.E.

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3 ETHYL ACETATE

CAS# 141-78-6

ETHYL ACETATE

PCT BY WT: 12.0000 VAPOR PRESSURE: 76.000 MMHG @ 68F LEL 2.20

## EXPOSURE LIMIT:

ACGIH TLV-TWA	400 ppm
ACGIH TLV-STEL	NO INFO
OSHA PEL-TWA	400 ppm
COMPANY	N.E.
LD50(ORAL)	4935 mg/kg (Rabbit)
LD50(DERMAL)	17962 mg/kg (Rabbit)
LC50	45000 mg/m3 (Mouse)

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4 MEDIUM ALIPHATIC SOLVENT NAPTH

CAS# 64742-88-7

MEDIUM ALIPHATIC SOLVENT NAPTHA

PCT BY WT: 1.0000 LEL 1.00

## EXPOSURE LIMIT:

ACGIH TLV-TWA	100 ppm
ACGIH TLV-STEL	NO INFO

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5 MINERAL SPIRITS

CAS# 64741-65-7

MINERAL SPIRITS

PCT BY WT: 2.0000 LEL 1.00

## EXPOSURE LIMIT:

ACGIH TLV-TWA	200 ppm
ACGIH TLV-STEL	NO INFO

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6 N-BUTANE

CAS# 106-97-8

N-BUTANE

PCT BY WT: 5.0000 VAPOR PRESSURE: 879.100 MMHG @ 68F LEL 1.80

## EXPOSURE LIMIT:

ACGIH TLV-TWA	800 ppm
ACGIH TLV-STEL	NO INFO
OSHA PEL-TWA	800 ppm
COMPANY	N.E.
LD50(ORAL)	N.A.
LD50(DERMAL)	N.A.
LC50	658000 mg/m3 (rat)

## OTHER LIMITS:

EINECS 203-448-7

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7 PROPANE

CAS# 74-98-6

PROPANE

PCT BY WT: 10.0000 VAPOR PRESSURE: 5585.200 MMHG @ 68F LEL 2.20

## EXPOSURE LIMIT:

ACGIH TLV-TWA	1000 ppm
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ACGIH TLV-STEL  
LD50(ORAL)  
LD50(DERMAL)  
LC50

NO INFORMATION  
NOT APPLICABLE  
NOT APPLICABLE  
NO INFORMATION

OTHER LIMITS:

EINECS 200-827-9

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8 PETROLEUM NAPHTHA  
CAS# 8032-32-4  
PETROLEUM NAPHTHA  
PCT BY WT: 3.0000 LEL .90  
EXPOSURE LIMIT:  
ACGIH TLV-TWA 300 ppm  
ACGIH TLV-STEL NO INFO  
OSHA PEL-TWA 300 ppm  
COMPANY N.E.

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9 WATER  
CAS# 7732-18-5  
WATER  
PCT BY WT: 38.0000  
EXPOSURE LIMIT:  
ACGIH TLV-TWA \*\* NOT HAZARDOUS \*\*  
OTHER LIMITS:

EINECS 231-791-2

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\*\*\*\*\*  
This product contains no reported carcinogens or suspected  
carcinogens.  
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SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Harmful if swallowed.  
Harmful if inhaled.  
Harmful if absorbed through skin.  
Causes eye irritation.  
Causes skin irritation.  
Vapors irritating to eyes and respiratory tract.  
Extremely flammable liquid and vapor.  
Vapors may cause flash fire or explosion.  
Extremely flammable aerosol.  
Contents under pressure.

EYE:

May cause severe eye irritation.

SKIN:

Contact with skin may cause irritation with discomfort or rash.  
Prolonged contact with the skin can cause chemical burns.  
Harmful if absorbed through the skin.  
Material may aggravate an existing dermatitis.

INHALATION:

Exposure to high concentrations of vapors may cause dizziness, breathing difficulty, headaches or respiratory irritation.  
Extremely high concentrations may cause drowsiness, staggering, confusion, unconsciousness, coma or death.  
Excessive inhalation of vapors can cause nasal and respiratory irritation.  
Liquid or vapor may be irritating to skin, eyes, throat or lungs.  
Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.

INGESTION:



nozzles are preferred.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES  
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CLEAN-UP AND CONTAINMENT:

Remove all sources of ignition. Avoid heat, sparks, flames and anything which could cause fire.  
Ventilate area of spill and adjacent low lying areas. Avoid breathing solvent vapors. Remove with inert absorbent materials and non-sparking tools.

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SECTION 7 - HANDLING AND STORAGE  
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HANDLING:

Wash hands thoroughly after handling.

STORAGE:

Store in a cool dry area with ventilation suitable for storing materials shown in section 2.  
Store this product indoors to protect from freezing.  
Keep away from heat, sparks and flame.  
Store in a cool place away from direct sunlight or any source of ignition. Do not store at temperatures above 120 degrees F.

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SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION  
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ENGINEERING CONTROLS:

Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.

RESPIRATORY PROTECTION:

If workplace exposure limits are exceeded for any component (see section 2 for hazardous components and exposure limits), a NIOSH/OSHA approved respirator suitable for components listed is recommended.

SKIN PROTECTION:

Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact.

EYE PROTECTION:

Chemical goggles with side shields or face shield recommended if contact with the eyes is likely.

OTHER PROTECTIVE EQUIPMENT:

Appropriate impervious clothing is recommended if prolonged or repeated contact is likely.

HYGIENIC PRACTICES:

Wash hands before eating or smoking. Smoke in designated areas only.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES  
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Vapor Pressure . . . . .	: 5585.20	mm Hg @ 20 C
Vapor Density . . . . .	: 3.04	
Boiling Range . . . . .	: Lower - 1.0	øF
	: Higher - 410.0	øF
Specific Gravity . . . . .	: .920	
Formula weight per Volume . . . . .	: 7.6603	LB/GL
VOC (Calculated, LB/GAL) . . . . .	: 4.747	
VOC (Calculated, GM/L) . . . . .	: 568.83	
Percent Volatile by weight . . . . .	: 78.4852	
Percent Volatile by Volume . . . . .	: 89.9398	
Evaporation Rate . . . . .	: 6.000	(n-Butyl Acetate = 1)
Viscosity . . . . .	: -N/A	

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SECTION 10 - STABILITY AND REACTIVITY  
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CONDITIONS TO AVOID:

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Avoid contact with heat, sparks, and open flame.  
Product may explode if heated. Keep cool, avoid exposure to heat.

**INCOMPATIBILITIES:**

Strong oxidizing agents.

**DECOMPOSITION:**

Thermal decomposition may produce carbon dioxide, carbon monoxide, and unidentifiable organic materials.

Product may produce toxic fumes when burned.

**POLYMERIZATION:**

No hazardous polymerization will occur under normal conditions.

**STABILITY:**

The product is stable under normal storage conditions.

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SECTION 11 - TOXICOLOGICAL INFORMATION  
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No specific information is available. Please refer to section 2 and 3 for available information on exposure limits and hazards identification.

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SECTION 12 - ECOLOGICAL INFORMATION  
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No specific ecological information is available for this product.

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SECTION 13 - DISPOSAL CONSIDERATIONS  
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**WASTE DISPOSAL:**

Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.

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SECTION 14 - TRANSPORT INFORMATION  
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Ground shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less:

CONSUMER COMMODITY, ORM-D

Ground shipment of liquid paint in containers more than 1 quart:

PAINT, FLAMMABLE LIQUID, UN1263, CLASS 3, GROUP II

(Regulatory sources: DOT 49CFR 172.101)

Air shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less:

CONSUMER COMMODITY, ID 8000, CLASS 9 MISCELLANEOUS LABEL

(Regulatory sources: IATA Quantity Exemptions - Table 2.8.4, 2.7.A, 2.7.5, Packaging Instruction: 910)

OR

AEROSOLS, FLAMMABLE, UN1950, CLASS 2.1 LABEL

(Regulatory sources: IATA Quantity Exemptions - Table 2.8.1, 2.8.4, Packaging Instruction: Y203)

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SECTION 15 - REGULATORY INFORMATION  
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**SARA 313 INFORMATION:**

This product contains NONE of the 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.

**FEDERAL REGULATIONS:**

TOXIC SUBSTANCES CONTROL ACT: The chemical substances in this product are listed on the TSCA Section 8 inventory.

**STATE REGULATIONS:**

This product contains chemical(s) which are listed on California's proposition 65 list. If the product is to be sold or used in California a clear and reasonable warning must be provided such as:

NEW JERSEY RIGHT-TO-KNOW

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No non-hazardous ingredients are among the top five ingredients

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PENNSYLVANIA RIGHT-TO-KNOW

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

----- CHEMICAL NAME ----- CAS NUMBER

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INTERNATIONAL REGULATIONS:

CANADA: The chemical substances in this product are listed on the Canadian Domestic Substances List.

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SECTION 16 - OTHER INFORMATION

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The information contained on this MSDS is believed to be reliable and accurate. Due to the changing nature of government information, it is impossible to guarantee the accuracy of the information contained herein. Since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. This information should not be regarded as legal advice or regulation. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations. For questions relating to specific aspects of the requirements and regulations consult the proper regulatory agency.

HMIS RATINGS:

HEALTH: 2\*    FLAMMABILITY: 4    REACTIVITY: 0    PERSONAL PROTECTION: X