

Raabe

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PAGE

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Issued to . . . . . : All Weather  
Architectural Aluminum  
777 Aldridge Road

Vacaville

CA 95688

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. . . . : 05417 045471 604  
PRODUCT NAME . . . : 305 ALUMINUM  
PRODUCT CLASS . . . : Aerosol Touch-Up

MSDS PREPARATION DATE : 09/22/2011

## MANUFACTURER IDENTIFICATION:

RAABE COMPANY  
PO BOX 1090

MENOMONEE FALLS

WI 53052-1090

## CUSTOMER IDENTIFICATION:

All Weather  
Architectural Aluminum  
777 Aldridge Road

Vacaville

CA 95688

## 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 ALUMINUM

CAS# 7429-90-5

## ALUMINUM

PCT BY WT: 3.0000

LEL 1.00

## EXPOSURE LIMIT:

ACGIH TLV-TWA 10 mg/m3  
ACGIH TLV-STEL NO INFO

## 2 N-BUTANE

CAS# 106-97-8

## N-BUTANE

PCT BY WT: 6.0000 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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## 3 PROPANE

CAS# 74-98-6

## PROPANE

PCT BY WT: 18.0000 VAPOR PRESSURE: 5585.200 MMHG @ 68F LEL 2.20

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EXPOSURE LIMIT:

ACGIH TLV-TWA	1000 ppm
ACGIH TLV-STEL	NO INFORMATION
LD50 (ORAL)	NOT APPLICABLE
LD50 (DERMAL)	NOT APPLICABLE
LC50	NO INFORMATION

## OTHER LIMITS:

EINECS 200-827-9  
-----

## 4 MINERAL SPIRITS

CAS# 8052-41-3

## MINERAL SPIRITS

PCT BY WT: 1.0000

LEL 1.10

## EXPOSURE LIMIT:

ACGIH TLV-TWA	100 ppm
ACGIH TLV-STEL	NO INFO
OSHA PEL-TWA	100 ppm
COMPANY	N.E.

## OTHER LIMITS:

EINECS 232-489-3  
-----

## 5 ACETONE

CAS# 67-64-1

## ACETONE

PCT BY WT: 44.0000 VAPOR PRESSURE: 231.000 MMHG @ 68F LEL 2.60

## EXPOSURE LIMIT:

ACGIH TLV-TWA	750 ppm
ACGIH TLV-STEL	1000 ppm
OSHA PEL-TWA	750 ppm
OSHA PEL-STEL	1000 ppm
COMPANY	N.E.
LD50 (ORAL)	5340 mg/kg (rabbit)
LD50 (DERMAL)	20000 mg/kg (rabbit)
LC50	70852 mg/m3 (rat)

## OTHER LIMITS:

EINECS 200-662-2  
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## 6 METHYL ETHYL KETONE

CAS# 78-93-3

## METHYL ETHYL KETONE

PCT BY WT: 5.0000 VAPOR PRESSURE: 85.000 MMHG @ 68F LEL 1.80

## EXPOSURE LIMIT:

ACGIH TLV-TWA	200 ppm
ACGIH TLV-STEL	300 ppm
OSHA PEL-TWA	200 ppm
COMPANY	N.E.
LD50 (ORAL)	2737 mg/kg (rat)
LD50 (DERMAL)	6480 mg/kg (rat)

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LC50 23500 mg/m3 (rat)

OTHER LIMITS:

EINECS 201-159-0

## 7 GLYCOL ETHER PM ACETATE

CAS# 108-65-6

PROPYLENE GLYCOL METHYL ETHER ACETATE

PCT BY WT: 8.0000 VAPOR PRESSURE: 3.700 MMHG @ 68F LEL 1.30

EXPOSURE LIMIT:

ACGIH TLV-TWA	NOT ESTABLISHED
ACGIH TLV-STEL	NOT ESTABLISHED
LD50 (ORAL)	8500 mg/kg (rat)
LD50 (DERMAL)	5000 mg/kg (rat)
LC50	5321 mg/m3 (rat)

OTHER LIMITS:

EINECS 203-603-9

## 8 TOLUENE

CAS# 108-88-3

TOLUENE

PCT BY WT: 8.0000 VAPOR PRESSURE: 38.000 MMHG @ 68F LEL 1.40

EXPOSURE LIMIT:

ACGIH TLV-TWA	20 ppm
ACGIH TLV-STEL	NO INFO
OSHA PEL-TWA	50 ppm
COMPANY	N.E.
LD50 (ORAL)	636 mg/kg (rat)
LD50 (DERMAL)	14124 mg/kg (rabbit)
LC50	7523 mg/m3 (mouse)

OTHER LIMITS:

Prop 65-Developmental-01/01/91 EINECS 203-625-9

\*\*\*\*\*  
This substance is classified as a hazardous air pollutant.  
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This product contains no reported carcinogens or suspected  
carcinogens.

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## SECTION 3 - HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW:

May be fatal if swallowed.  
Harmful if inhaled.  
Harmful if absorbed through skin.  
Causes eye irritation.



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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 corneal injury if liquid comes in contact with the eyes.

## SKIN:

May cause skin irritation.  
Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).  
Product contains a component which can be absorbed through the skin.  
Excessive exposure may cause hemolysis (red blood cell damage) which can impair the blood's ability to transport oxygen.

## 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:

Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis.  
Aspiration of material into the lungs if swallowed or if vomiting occurs can cause chemical pneumonitis which can be fatal.

## CHRONIC EFFECTS:

Chronic overexposure to a component or components in this material has been found to cause the following effects in laboratory animals:

- Kidney damage
- Eye damage
- Lung damage
- Liver damage
- Spleen damage
- Brain damage

Chronic overexposure to a component or components in this product has been suggested as a cause of the following effects in humans:

- Liver damage

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.  
Repeated breathing or skin contact of methyl ethyl ketone may increase the potency of neurotoxins such as hexane if exposures occur at the same time.

Central nervous system depression, shock, coma, visual disturbances, and

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death. Onset of symptoms may be delayed as long as 30 hours. Product contains toluene which may be harmful to the fetus based on animal studies. Repeated exposure to toluene has been associated with high frequency hearing loss in laboratory animals. The human consequences of this finding is uncertain.

## SECTION 4 - FIRST AID MEASURES

## EYE CONTACT:

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Flush with large quantities of water for 15 minutes.

## SKIN CONTACT:

Wash with soap and water. Get medical attention if irritation develops or persists.

Wash thoroughly with soap and water and seek medical attention if irritation persists. Remove contaminated clothing. Launder contaminated clothing before reuse.

## INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

For inhalation overexposure move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention.

## INGESTION:

Since this product may contain materials which can cause lung damage if aspirated into the lungs, the decision whether to induce vomiting or not must be made by a physician after careful consideration of all materials ingested.

Ingestion of large quantities of this material will result in methanol poisoning. In this case treatment should include hemodialysis; the administration of ethanol to interfere with the metabolism of methanol and the administration of sodium carbonate to correct acidosis.

## SECTION 5 - FIRE FIGHTING MEASURES

## FIRE AND EXPLOSIVE PROPERTIES OF THE PRODUCT:

Flashpoint . . . . .	: Less Than -25 °F
Explosion Level . . . . .	: Low (LEL) - 1.0
	High (UEL) - 13.1

## EXTINGUISHING MEDIA:

Use Dry Chemical, Carbon Dioxide or Chemical Foam.

## FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

Keep containers tightly closed. Isolate from heat, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Contents under pressure. Do not use or store near sources of heat, sparks or open flame. Keep away from any source of heat such as



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sunlight, heaters or stoves that could cause the container to burst. Do not puncture or incinerate. Do not crush or place in a garbage compactor. Do not store above 120 degrees F. Aerosol containers may explode when exposed to extreme heat. Product vapors are heavier than air and may travel a long distance to a source of ignition and flash back. Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used. Water spray should not be used except to keep down vapors or cool closed containers to prevent build-up of pressure. If water is used, fog nozzles are preferred. When fighting a fire involving aluminum paste, do not use a water stream or halogenated extinguishing agents.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

## 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.

## SECTION 7 - HANDLING AND STORAGE

## HANDLING:

Wash hands thoroughly after handling. 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:

## STORAGE:

Store in a cool dry area with ventilation suitable for storing materials shown in section 2. 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.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

## 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:



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  
-----No specific ecological information is available for this product.  
-----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.  
-----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)

Ground 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)  
-----SECTION 15 - REGULATORY INFORMATION  
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## SARA 313 INFORMATION:

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:

## ALUMINUM

CAS# 7429-90-5 PCT BY WT: 2.8640  
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## TOLUENE

CAS# 108-88-3 PCT BY WT: 7.9950  
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## FEDERAL REGULATIONS:

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



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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:

Warning! This product contains a chemical or chemicals known to the State of California to cause birth defects or other reproductive harm.

NEW JERSEY RIGHT-TO-KNOW

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

-----  
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: G



# General Conformity Certification

This certification is required by the Consumer Product Safety Improvement Act of 2008

<u>Raabe Order #</u>	<u>Customer PO</u>	<u>Customer</u>	<u>Ship To</u>
000223970-00	34131	All Weather Architectural Aluminum 777 Aldridge Rd. Vacaville,, CA 95688-9282	All Weather Architectural Aluminum 777 Aldridge Road Vacaville, CA 95688

<u>Product Identity</u>	<u>Raabe Part #</u>
ALUMINUM 305	05417 045471

## Applicable CPSC Regulation(s)

16 CFR 1303 Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead Containing Paint  
16 CFR 1500.121 Federal Hazardous Substances Act (FHSA) - Labeling Requirements; prominence, placement, conspicuousness

## Manufacturer

Raabe Company LLC  
N92 W14701 Anthony Ave.  
Menomonee Falls, WI 53051

**Phone:** (262) 255-9500

## Individual Maintaining Records of Test Results

Robert Bath, Quality and Product Stewardship Manager

Raabe Company LLC  
N92 W14701 Anthony Ave.  
Menomonee Falls, WI 53051  
rbath@raabeco.com

**Phone:** (262)-502-7601

## Manufacturing Information

Manufactured in September 2011 in Menomonee Falls, WI

## Testing Information

Raabe Company is a longstanding provider of quality products that meet or exceed regulatory requirements with respect to consumer product safety. Raabe Company has engaged in a testing program to document conformity with all applicable regulations, bans, standards and other requirements administered by the Consumer Product Safety Commission (CPSC).

## Third Party Laboratory Information

Not applicable.