



QUEST

INDUSTRIAL PRODUCTS

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SECTION 16 - OTHER INFORMATION

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.

MIS RATINGS:

HEALTH: FLAMMABILITY: REACTIVITY: PERSONAL PROTECTION:

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



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CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT CODE . . . : 01583 642184 1B
 PRODUCT NAME . . . : 43-1 Thinner Brushing Aero Gloss
 PRODUCT CLASS . . . : Thinner

SDS PREPARATION DATE : 08/30/2013

MANUFACTURER IDENTIFICATION:

QUEST INDUSTRIAL PRODUCTS
 PO BOX 1090

CUSTOMER IDENTIFICATION:

Midwest Products Company
 400 S. Indiana St.
 P.O. Box 564

MENOMONEE FALLS WI 53052-1090 Hobart IN 46342

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

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

1 N-BUTYL ACETATE

CAS# 123-86-4

N-BUTYL ACETATE

PCT BY WT: 9.0000 LEL 1.40

EXPOSURE LIMIT:

ACGIH TLV-TWA 150 ppm
 ACGIH TLV-STEL 200 ppm
 OSHA PEL-TWA 150 ppm
 COMPANY N.E.

OTHER LIMITS:

EINECS 204-658-1

2 ETHYL ALCOHOL

CAS# 64-17-5

ETHYL ALCOHOL

PCT BY WT: 9.0990 LEL 3.30

EXPOSURE LIMIT:

ACGIH TLV-TWA 1000 ppm
 ACGIH TLV-STEL NO INFO
 OSHA PEL-TWA 1000 ppm
 COMPANY N.E.

OTHER LIMITS:

EINECS 200-578-6

3 ETHYL ACETATE

CAS# 141-78-6

ETHYL ACETATE

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PCT BY WT: 22.0000 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)

4 GLYCOL ETHER PM ACETATE

CAS# 108-65-6

PROPYLENE GLYCOL METHYL ETHER ACETATE

PCT BY WT: 12.0000 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

5 Methyl Isobutyl Ketone

CAS# 108-10-1

2-Methyl-2-pentanone

PCT BY WT: 47.0000 VAPOR PRESSURE: 16.000 MMHG @ 68F LEL 1.20

EXPOSURE LIMIT:

ACGIH TLV-TWA	50 ppm
ACGIH TLV-STEL	75 ppm
OSHA PEL-TWA	100 ppm
OSHA PEL-STEL	N/A
COMPANY	N/A

OTHER LIMITS:

EINECS 203-550-1

 This product contains one or more reported carcinogens or suspected carcinogens which are noted NTP, IARC, or OSHA-Z in the other limits recommended column.

This substance is classified as a hazardous air pollutant.



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SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

- Causes skin irritation.
- Vapors irritating to eyes and respiratory tract.
- Flammable liquid and vapor.

EYE:

May cause eye irritation.

SKIN:

- May cause skin irritation.
- Skin contact 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.
- Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.
- Repeated overexposure may aggravate or enhance existing nervous dysfunction produced by disorders known to cause nervous system damage such as diabetes, alcohol and drug abuse, & Parkinson's disease.

INGESTION:

CHRONIC EFFECTS:

- Central nervous system depression, shock, coma, visual disturbances, and death. Onset of symptoms may be delayed as long as 30 hours.
- Breathing air containing n-butyl acetate, which results from its use in aerosol applications, may cause delayed lung injury.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT:

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

SKIN CONTACT:

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

INHALATION:

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



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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.

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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 : 24.0 °F
Explosion Level : Low (LEL) - 1.2
High (UEL) - 19.0

EXTINGUISHING MEDIA:

Use Dry Chemical, Carbon Dioxide or Chemical Foam.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

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.

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.

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.



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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:

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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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: 76.00	mm Hg @ 20 C
Vapor Density	: 3.04	
Boiling Range	: Lower - 77.0 °F	
	: Higher - 302.0 °F	
Specific Gravity	: .844	
Formula Weight per Volume	: 7.0303	LB/GL
VOC (Calculated, LB/GAL)	: 7.091	
VOC (Calculated, GM/L)	: 849.71	
Percent Volatile by Weight	: 100.0000	
Percent Volatile by Volume	: 100.0000	
Evaporation Rate	: 6.000	(n-Butyl Acetate = 1)
Viscosity	: -N/A	

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

Avoid contact with heat, sparks, and open flame.

INCOMPATIBILITIES:

Strong oxidizing agents.



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DECOMPOSITION:

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

POLYMERIZATION:

No hazardous polymerization will occur under normal conditions.

STABILITY:

The product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

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

WASTE DISPOSAL:

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

SECTION 14 - TRANSPORT INFORMATION

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)

SECTION 15 - REGULATORY INFORMATION

OSHA 313 INFORMATION:



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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:

-Methyl-2-pentanone

CAS# 108-10-1 PCT BY WT: 47.4180

*** 4-Methyl-2-pentanone

CAS# 108-10-1 PCT BY WT: 47.4180

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

PENNSYLVANIA RIGHT-TO-KNOW

No non-hazardous ingredients are present greater than 3%

INTERNATIONAL REGULATIONS:

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

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HAZARD RATINGS:

HEALTH: 2* FLAMMABILITY: 3 REACTIVITY: 0 PERSONAL PROTECTION: G