

# Aexcel Corporation

## Material Safety Data Sheet

**24 Hour Emergency:**  
**CHEMTREC: 1-800-424-9300**

**Outside U.S. and Canada**  
**Chemtrec: 703-527-3887**

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

### Section 1 - Chemical Product / Company Information

Product Name:	YELLOW 1:1 THICK FILM SPRAY PART A	Revision Date:	01/24/2012
Identification Number:	25Y-G026	Supercedes :	01/19/2011
Product Use/Class:	55		
Supplier:	Aexcel Corporation 7373 Production Drive Mentor, OH 44060	Manufacturer:	Aexcel Corporation 7373 Production Drive Mentor, OH 44060
Preparer:	Webb, Lorie		

### Section 2 - Composition / Information On Ingredients

Chemical Name	CAS No.	Wt. %	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA
METHYL METHACRYLATE	80-62-6	20.	50	100	100
2-ETHYLHEXYL ACRYLATE	103-11-7	8.	3 mg/m3	ne	ne
N-BUTYL METHACRYLATE	97-88-1	5.	50	100	100
HYDROXYPROPYL METHACRYLATE	27813-02-1	4.	50	100	100

### Section 3 - Hazards Identification

**Emergency Overview:** Flammable liquid and vapor.

Effects Of Overexposure - Eye Contact: Direct eye contact may cause irritation.

Effects Of Overexposure - Skin Contact: Skin irritant.

Effects Of Overexposure - Inhalation: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

Effects Of Overexposure - Ingestion: Harmful if swallowed. Harmful: may cause lung damage if swallowed.

Effects Of Overexposure - Chronic Hazards: Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

This methyl methacrylate is one part of a two-part system of traffic safety paints. In use, this methyl methacrylate is combined with small amounts of an organic peroxide to product rapidly cured films. Organic peroxides are unstable in the presence of heat or contaminants, such as strong acids, strong oxidizers, acetone and reducing agents. handle these peroxides with the strict attention to the peroxide manufacturer's safety instructions.

### Section 4 - First Aid Measures

First Aid - Eye Contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse

with plenty of water.

First Aid - Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

First Aid - Inhalation: Move to fresh air. See a physician.

First Aid - Ingestion: Call a physician immediately. Do not induce vomiting without medical advice.

## Section 5 - Fire Fighting Measures

Flash Point, F: 50 Deg.

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Unusual Fire And Explosion Hazards: Remove all sources of ignition.

Special Firefighting Procedures: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

<u>Chemical Name</u>	<u>LEL</u>	<u>UEL</u>	<u>FLASH POINT F.</u> <u>DEG</u>	<u>AUTO-IGNITION</u> <u>TEMP. F DEG</u>
METHYL METHACRYLATE	2.10	12.50	50.00	806
2-ETHYLHEXYL ACRYLATE	0.90	6.40	187.00	496
N-BUTYL METHACRYLATE	2.10	12.50	50.00	806
HYDROXYPROPYL METHACRYLATE	2.10	12.50	50.00	806

## Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Soak up with inert absorbent material and dispose of as hazardous waste.

## Section 7 - Handling And Storage

Handling: Keep container tightly closed. Take precautionary measures against static discharges. In the event of fire, cool the endangered containers with water. Vapors are heavier than air and can form an explosive mixture with air. Use explosion-proof equipment only. Containers of this material may be hazardous when emptied. Handle in accordance with good industrial hygiene and safety practice.

Storage: Harmful - Store away from foodstuffs. Keep away from sources of ignition. No smoking.

## Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

Respiratory Protection: The selection of personal protection equipment varies depending upon conditions of use. In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must wear NIOSH approved respirators.

Skin Protection: Impervious gloves.

Eye Protection: Safety glasses with side-shields or tightly fitted goggles.

Other protective equipment: Impervious clothing.

Hygienic Practices: Remove and wash contaminated clothing before re-use.

## Section 9 - Physical And Chemical Properties

Odor: Characteristic  
 Appearance: Heavy Yellow Liquid  
 Specific Gravity: 1.504  
 Physical State: Liquid

(See section 16 for abbreviation legend)

<u>CHEMICAL NAME</u>	<u>VAPOR DENSITY</u>	<u>EVAPORATION RATE</u>	<u>BOILING POINT</u>	<u>VP mmHg</u>	<u>at DEG. F</u>
METHYL METHACRYLATE	3.6	3.1	212	40.0	68
2-ETHYLHEXYL ACRYLATE	6.4	ne	ne	1.0	68
N-BUTYL METHACRYLATE	3.6	3.1	212	40.0	68
HYDROXYPROPYL METHACRYLATE	3.6	3.1	212	40.0	68

## Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid heat, sparks, open flame and other ignition sources.

Incompatibility: Strong oxidizing agents. Keep away from strong oxidizing agents, heat and open flames.

Hazardous Decomposition Products: None when used as directed.

Hazardous Polymerization: Will not occur.

Stability: Stable under normal conditions.

## Section 11 - Toxicological Information

No Data.

## Section 12 - Ecological Information

Ecological Information: Do not allow material to contaminate ground water system.

## Section 13 - Disposal Information

Disposal Information: Contact waste disposal services. Do not flush into surface water or sanitary sewer system.

## Section 14 - Transportation Information

DOT Proper Shipping Name:	Paint, Flammable Liquid	Packing Group:	II
DOT Hazard Class:	3	Resp. Guide Page:	128
DOT UN/NA Number:	1263		

## 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:

### SARA Section 312:

<u>Chemical Name</u>	<u>CAS Number</u>
METHYL METHACRYLATE	80-62-6
2-ETHYLHEXYL ACRYLATE	103-11-7

N-BUTYL METHACRYLATE  
HYDROXYPROPYL METHACRYLATE

97-88-1  
27813-02-1

**SARA Section 313:**

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

**Chemical Name**

METHYL METHACRYLATE  
N-BUTYL METHACRYLATE  
HYDROXYPROPYL METHACRYLATE

**CAS Number**

80-62-6  
97-88-1  
27813-02-1

**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:

None

**U.S. State Regulations: As follows –****California Proposition 65:**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

None

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

**Chemical Name**

1-METHYL-2-PYRROLIDONE

**CAS Number**

872-50-4

**International Regulations: As follows –****CANADIAN WHMIS:**

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

**CANADIAN WHMIS CLASS:****Section 16 - Other Information****HMIS Ratings:**

Health: 2                      Flammability: 3                      Reactivity: 2

**VOLATILE ORGANIC COMPOUNDS, GR/LTR: 10.39**

**REASON FOR REVISION:**

**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.