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SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Impak & Impak PF -Liquid
Product Number: 3748, 3306, 3310, 3314, 3315, 3316, 3313L
Chemical Name: Ethyl Methacrylate Monomer
Chemical Family: Ester
CAS Number: Blend

Company Identification

CMP Industries LLC
413 North Pearl Street
Albany, NY 12207-1311 USA
(518)-434-3147 (For product information)
(800)-424-9300 (For emergencies)
1-800-424-9300 or 1-202-483-7616 (CHEMTREC)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: Flammable Liquid and Vapor. Can cause dizziness, nausea, headache and loss of consciousness. Can cause irritation to the eyes, skin and respiratory tract. Hazardous polymerization may occur.

GHS Classification:

Flammable liquid Category 2
Skin Corrosion/Irritation - Category 2
Skin sensitization Category 1
Serious eye damage/eye irritation Category 2A
Target Organ Systemic Toxicity-Single Exposure Category 3

GHS Hazard Symbols:

Flammable, Irritant, Health Hazard



GHS Hazard Statements:

H225 - Highly flammable liquid and vapor.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.



H335 - May cause respiratory irritation.

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash hands thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302/352 - IF ON SKIN: Wash with plenty of soap and water.

P303/361/353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304/340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

EYE:

Causes eye irritation.

SKIN:

Causes skin irritation.

INHALATION:

Causes respiratory tract irritation.

INGESTION:

Harmful if swallowed. Do not induce vomiting.

SIGNS AND SYMPTOMS OF EXPOSURE:

Dizziness, nausea, headache and loss of consciousness. Irritation of the eyes, throat, nose and skin may occur.

CHRONIC EFFECTS:

Prolonged or repeated overexposure may cause skin irritation or sensitization in some individuals.

TARGET ORGAN:

Prolonged exposure may cause allergic skin reaction, kidney damage, liver damage, lung, and heart damage.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with pre-existing skin conditions may be at increased risk from exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
ETHYL METHACRYLATE	48.0 %	97-63-2
HYDROQUINONE	< 1.0 %	123-31-9
P-METHOXYPHENOL	< 1.0 %	150-76-5
CONFIDENTIAL INGREDIENT A	50.0 %	Trade Secret

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR



1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute, fire hazards.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eyes with water for 15 minutes, holding the eyelids apart. Get immediate medical attention.

SKIN CONTACT FIRST AID:

Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops. Launder contaminated clothing before re-use.

INHALATION FIRST AID:

Remove to fresh air. If not breathing, give oxygen by trained personnel and obtain immediate medical attention.

INGESTION FIRST AID:

Do not induce vomiting. Rinse mouth. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

TCC Flash Point: 16 C (60.8 F)

Autoignition Temperature: 411 °C (771.8 F)

FLAMMABLE LIMITS IN AIR

LEL: 1,8 %

UEL: N/A

EXTINGUISHING MEDIA:

Foam, carbon dioxide and dry chemical.

FIRE & EXPLOSION HAZARDS:

Sealed containers exposed to elevated temperatures may rupture due to polymerization. Vapors may travel to ignition source and emit toxic fumes under fire conditions.

FIRE FIGHTING INSTRUCTIONS:

Wear self-contained breathing apparatus with full face mask operated in a positive pressure-demand mode.

COMBUSTION PRODUCTS:

Carbon monoxide, carbon dioxide and smoke.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Evacuate and ventilate spill area. Remove all potential ignition sources. Dike and confine with inert absorbent. Collect and store material in closed DOT approved waste container.

SMALL SPILLS PROCEDURE:



Same as large spill.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or mist. Wash thoroughly after handling. Wear protective equipment. Use with adequate ventilation. Keep away from heat, sparks and flames. Ground container when pouring. Do not expose to direct sunlight.

Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

STORAGE PRECAUTIONS:

Store in cool, dry environment away from direct sunlight and ignition sources. Protect from physical damage. Keep away from oxidizers and other incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Keep container tightly closed. Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles or safety glasses are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Wear impervious gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

EXPOSURE GUIDELINES:

ETHYL METHACRYLATE

OSHA TWA: 50 ppm

HYDROQUINONE

OSHA PEL: 2 mg/m³

OSHA TWA: 2 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Colorless
ODOR:	Sharp and Sweet
BOILING POINT:	243 F @ 760 mm Hg
VAPOR PRESSURE:	14 mm Hg @ 68 F
VAPOR DENSITY:	3.94 (Air = 1)
SOLUBILITY IN WATER:	.05 GRS (100 GRS)



SPECIFIC GRAVITY:	1.004 (Water = 1)
% VOLATILES:	100 %
EVAPORATION RATE:	1.5

10. STABILITY AND REACTIVITY

STABILITY:

Unstable if heated.

POLYMERIZATION:

Hazardous polymerization may occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact oxidizing and reducing agents.

DECOMPOSITION:

Carbon monoxide, carbon dioxide and smoke.

CONDITIONS TO AVOID:

Avoid direct heat, excessive heat and other ignition sources.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Causes serious eye irritation.

SKIN EFFECTS:

May cause an allergic skin reaction. Causes skin irritation. Repeated and/or prolonged contact may cause dermatitis.

ACUTE ORAL EFFECTS:

Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.

ACUTE INHALATION EFFECTS:

May cause respiratory irritation. May cause drowsiness and dizziness.

ETHYL METHACRYLATE

Test Code: LC50

Species: Rat

Results: 8300 ppm/4 hr (low toxicity by inhalation)

HYDROQUINONE

Test Code: Oral LD50

Species: Rat

Results: 13,468 mg/kg (low toxicity by ingestion)

12. ECOLOGICAL INFORMATION

No information available.



13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORT INFORMATION

PRODUCT LABEL:	Impak & Impak PF -Liquid
TECHNICAL SHIPPING NAME:	Ethyl Methacrylate Stabilized
D.O.T. HAZARD CLASS:	3, PG II
UN NUMBER:	2277

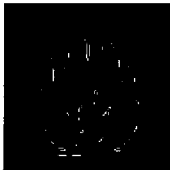
15. REGULATORY INFORMATION

REGULATORY DISCLOSURES:

This product contains the following substances know to the State of California to cause cancer:

EEC Symbols and Indications of Danger:

Highly Flammable (F), Irritant (Xi)



R-Phrases:

R36/37/38 - Irritating to eyes, respiratory system, and skin.

R11 - Highly flammable.

R43 - May cause sensitization by skin contact.

S-Phrases:

S16 - Keep away from sources of ignition. No smoking.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S24/25 - Avoid contact with skin and eyes.

S36/37 - Wear suitable protective clothing and gloves.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



Canadian Disclosure List

ETHYL METHACRYLATE (97-63-2)



CERCLA Hazardous Substances

ETHYL METHACRYLATE (97-63-2) -- RQ 1000 lb

RCRA Hazardous Substances

Impak & Impak PF -Liquid (BLEND) --
ETHYL METHACRYLATE (97-63-2) -- RCRA Code: U118

Title V

HYDROQUINONE (123-31-9)

SC Toxic Air Pollutants List

HYDROQUINONE (123-31-9)

16. OTHER INFORMATION

PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	March 25, 2015
SUPERCEDES DATE:	February 13, 2015
RTN NUMBER:	00000291 (Official Copy)

HMIS Rating:

Health - 2
Flammability - 3
Reactivity - 2

NFPA Rating:

Health - 2
Flammability - 3
Reactivity - 2

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END OF SAFETY DATA SHEET

