

SAFETY DATA SHEET
DG PN 540685-() Part B

1. IDENTIFICATION OF PRODUCT & COMPANY

Product Name: FUSOR 110B, 111B METAL BONDING ADH PT B

Product Use/Class: ACRYLIC ADHESIVE, PART 2 OF 2

Supplier: Dayton-Granger, Inc.
3299 SW 9th Ave
Fort Lauderdale, FL 33315-3026

Chemtrec 24 Hr Transportation Emergency No.: 800 424-9300 (Outside Continental U.S. 703 527-3887)

2. HAZARDS IDENTIFICATION

GHSCCLASSIFICATION:

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A Skin
sensitization Category 1

Specific target organ systemic toxicity (repeated exposure) Category 2 Blood, brain, Hematopoietic System, Kidney, Liver

Hazardous to the aquatic environment - acute hazard Category 1 Hazardous to the
aquatic environment - chronic hazard Category 2

GHS LABEL ELEMENTS:

Symbol(s)



Signal Word

WARNING

Hazard Statements

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause damage to organs through prolonged or repeated exposure in contact with skin.(Blood, brain, Hematopoietic System, Kidney, Liver)

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention

Wear protective gloves/eye protection/face protection. Do not
breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace. Avoid release to
the environment.

Response

Get medical advice/attention if you feel unwell.

Specific treatment (see supplemental first aid instructions on this label).

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

SAFETY DATA SHEET
DG PN 540685-() Part B

2. HAZARDS IDENTIFICATION (Continued)

3.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.

Storage

Refer to Section 7 of this SDS.

Disposal:

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other Hazards:

This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute: May cause respiratory tract irritation. Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: Prolonged or repeated contact may result in dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>
Epoxy resin	PROPRIETARY	50.0 %
Isodecyl benzoate	131298-44-7	5.0 %
Benzoyl peroxide	94-36-0	5.0 %

4. FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID - SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

SAFETY DATA SHEET DG PN 540685-() Part B

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Avoid contact. Avoid breathing vapors. Use appropriate respiratory protection for large spills or spills in confined area.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Scoop spilled material into an appropriate container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation.

STORAGE: Store only in well-ventilated areas. Keep container closed when not in use.

INCOMPATIBILITY: Amines, acid, water, hydroxyl, or active hydrogen compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL- TWA</u>	<u>OSHA PEL- CEILING</u>	<u>Skin</u>
Epoxy resin	N.E.	N.E.	N.E.	N.E.	N.A.
Isodecyl benzoate	N.E.	N.E.	N.E.	N.E.	N.A.
Benzoyl peroxide	5 mg/m3	N.E.	5 mg/m3	N.E.	N.A.

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Engineering controls: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

PERSONAL PROTECTION MEASURES/EQUIPMENT

RESPIRATORY PROTECTION: Use a NIOSH approved air-purifying organic vapor respirator if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

SKIN PROTECTION: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

EYE PROTECTION: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

SAFETY DATA SHEET
DG PN 540685-() Part B

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

ODOR:	Slight	VAPOR PRESSURE:	N.D.
APPEARANCE:	Off-white	VAPOR DENSITY:	Heavier than Air
PHYSICAL STATE:	Paste	LOWER EXPLOSIVE LIMIT:	Not Applicable
FLASH POINT:	≥ 201 °F, 93 °C Setaflash Closed Cup	UPPER EXPLOSIVE LIMIT:	Not Applicable
BOILING RANGE:	100 °C	EVAPORATION RATE:	Not Applicable
AUTOIGNITION TEMPERATURE:	N.D.	DENSITY:	1.57 g/cm ³ - 13.06 lb/gal
DECOMPOSITION TEMPERATURE:	N.D.	VISCOSITY, DYNAMIC:	N.D.
ODOR THRESHOLD:	N.D.	VISCOSITY, KINEMATIC:	N.D.
SOLUBILITY IN H ₂ O:	Insoluble	VOLATILE BY WEIGHT:	1.13 %
pH:	N.A.	VOLATILE BY VOLUME:	1.76 %
FREEZE POINT:	N.D.	VOC CALCULATED:	0 lb/gal, 0 g/10 g/l
COEFFICIENT OF WATER/OIL	N.D.		
DISTRIBUTION:			

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY: Amines, acids, water, hydroxyl, or active hydrogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, aldehydes

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

Chemical Name	LD50/LC50
Epoxy resin	Oral LD50: Rat 11,400 mg/kg
Isodecyl benzoate	N.D.
Benzoyl peroxide	Oral LD50: Rat 6,400 mg/kg

SAFETY DATA SHEET
DG PN 540685-() Part B

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity
Epoxy resin	N.D.
Isodecyl benzoate	N.D.
Benzoyl peroxide	N.D.

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

BIOACCUMULATIVE: Not determined for this product.

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality. Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

14. TRANSPORT INFORMATION

US DOT Road

DOT Proper Shipping Name: Environmentally hazardous substances, liquid, n.o.s.
 DOT Hazard Class: 9
 SECONDARY HAZARD: None
 DOT UN/NA Number: 3082
 Packing Group: III
 Emergency Response Guide Number: 171

For US DOT non-bulk road shipments this material may be classified as NOT REGULATED. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors.

IATA Cargo

PROPER SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s.
 DOT Hazard Class: 9
 HAZARD CLASS: None
 UN-NUMBER: 3082
 PACKING GROUP: III
 EMS: 9L

IMDG

PROPER SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s.
 DOT Hazard Class: 9
 HAZARD CLASS: None
 UN-NUMBER: 3082
 PACKING GROUP: III
 EMS: F-A

The listed transportation classification applies to IATA Cargo and IMDG non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors for your country or particular locality. For the most accurate shipping information, refer to your transportation/compliance department.

**SAFETY DATA SHEET
DG PN 540685-() Part B**

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS:

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.:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>
Benzoyl peroxide	94-36-0	5.0 %

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS

The chemical substances in this product are on the TSCA Section 8 Inventory.

EXPORT NOTIFICATION

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

NONE

16. OTHER INFORMATION

Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 1 PHYSICAL HAZARD: 1

* - Indicates a chronic hazard; see Section 2

Revision: New GHS SDS Format

DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate. However, 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 use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

SAFETY DATA SHEET
DG PN 540685-() Part A

1. IDENTIFICATION OF PRODUCT & COMPANY

Product Name: FUSOR 110B, 111B METAL BONDING ADH PT A

Product Use/Class: ACRYLIC ADHESIVE, PART 1 OF 2

Supplier: Dayton-Granger, Inc.
3299 SW 9th Ave
Fort Lauderdale, FL 33315-3026

Chemtrec 24 Hr Transportation Emergency No.: 800 424-9300 (Outside Continental U.S. 703 527-3887)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable liquids Category 2
Acute toxicity Inhalation - Vapours Category 4 - 39.9% of the mixture consists of ingredient(s) of unknown toxicity.
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Skin sensitization Category 1
Respiratory sensitization Category 1
Carcinogenicity Category 2
Reproductive toxicity Category 2
Specific target organ systemic toxicity (single exposure) Category 3
Specific target organ systemic toxicity (single exposure) Category 1 circulatory system, Nervous system, Hematopoietic System
Specific target organ systemic toxicity (repeated exposure) Category 1 Blood, Liver, spleen, Adrenal gland, Kidney, Nervous system, Central nervous system, Respiratory system
Hazardous to the aquatic environment - acute hazard Category 3
Hazardous to the aquatic environment - chronic hazard Category 3

GHS LABEL ELEMENTS:

Symbol(s)



Signal Word

DANGER

Hazard Statements

Highly flammable liquid and vapor.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause respiratory irritation.
Causes damage to organs.(circulatory system, Nervous system, Hematopoietic System)
Causes damage to organs through prolonged or repeated exposure.(Blood, Liver, spleen, Adrenal gland, Kidney, Nervous system, Central nervous system, Respiratory system)
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET DG PN 540685-() Part A

2. HAZARDS IDENTIFICATION (Continued)

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.
In case of inadequate ventilation wear respiratory protection.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Response

In case of fire: refer to section 5 of SDS for extinguishing media.
Call a POISON CENTER or doctor/physician if you feel unwell.
If exposed: Call a POISON CENTER or doctor/physician.
Specific treatment (see supplemental first aid instructions on this label).
If INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation or rash occurs: Get medical advice/attention.
If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

Storage

Store in a well-ventilated place. Keep cool.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal:

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other Hazards:

This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute: Harmful if absorbed through skin. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. May be severely irritating to the nose, throat and respiratory tract. Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: Prolonged or repeated contact may result in dermatitis. Contains N,N-Dimethylaniline. Excessive Over-exposure by skin absorption or ingestion may result in anoxia due to the formation of methemoglobin. This condition impairs the blood's ability to transport oxygen.

SAFETY DATA SHEET DG PN 540685-() Part A

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT % LESS THAN
Methyl methacrylate	80-62-6	35.0 %
Methacrylate Blend	PROPRIETARY	5.0 %
Methacrylate phosphate ester	PROPRIETARY	5.0 %
Methacrylic acid	79-41-4	5.0 %
Amine curative	PROPRIETARY	5.0 %
N,N-Dimethylaniline	121-69-7	5.0 %

4. FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID - SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Flammable liquid and vapor. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid contact. Avoid breathing vapors. Use self-contained breathing equipment.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Using non-sparking tools, scoop the spilled material into a container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

SAFETY DATA SHEET DG PN 540685-() Part A

7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

STORAGE: Refer to OSHA 29CFR Part 1910.106 "Flammable and Combustible Liquids" for specific storage requirements. Store only in well-ventilated areas. Keep container closed when not in use.

INCOMPATIBILITY: Inorganic acids, organic acids, caustics, oxidizing agents, amines, peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	SKIN
Methyl methacrylate	50 ppm	100 ppm	410 mg/m3 100 ppm	N.E.	N.A.
Methacrylate Blend	N.E.	N.E.	N.E.	N.E.	N.A.
Methacrylate phosphate ester	N.E.	N.E.	N.E.	N.E.	N.A.
Methacrylic acid	20 ppm	N.E.	N.E.	N.E.	S
Amine curative	N.E.	N.E.	N.E.	N.E.	N.A.
N,N-Dimethylaniline	5 ppm	10 ppm	25 mg/m3 5 ppm	N.E.	S

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Engineering controls: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

PERSONAL PROTECTION MEASURES/EQUIPMENT:

RESPIRATORY PROTECTION: Contains a small amount of dimethylaniline (DMA) which has poor odorwarning properties. If the exposure limit for DMA is exceeded, an air-supplied respirator is recommended. Otherwise, a NIOSH approved properly-fitted organic vapor, air purifying respirator is recommended. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

SKIN PROTECTION: Use neoprene, nitrile, or rubber gloves to prevent skin contact. If contact with the product is prolonged or repeated, Silver Shield or Butyl rubber gloves are recommended.

EYE PROTECTION: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

SAFETY DATA SHEET DG PN 540685-() Part A

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

ODOR:	Sweet	VAPOR PRESSURE:	N.D.
APPEARANCE:	Off-white	VAPOR DENSITY:	Heavier than Air
PHYSICAL STATE:	Paste	LOWER EXPLOSIVE LIMIT:	1 %(V)
FLASH POINT:	59 °F, 15 °C Setflash Closed Cup	UPPER EXPLOSIVE LIMIT:	8.8 %(V)
BOILING RANGE:	N.A.	EVAPORATION RATE:	Slower than n-butylacetate
AUTOIGNITION TEMPERATURE:	N.D.	DENSITY:	1.12 g/cm3 - 9.31 lb/gal
DECOMPOSITION TEMPERATURE:	N.D.	VISCOSITY, DYNAMIC:	N.D.
ODOR THRESHOLD:	N.D.	VISCOSITY, KINEMATIC:	N.D.
SOLUBILITY IN H2O:	Insoluble	VOLATILE BY WEIGHT:	0.00 %
pH:	N.A.	VOLATILE BY VOLUME:	0.00 %
FREEZE POINT:	N.D.	VOC CALCULATED:	0 lb/gal, 0 g/l
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N.D.		

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: Storage above 100 degrees F and below 32 degrees F. Exposure to sunlight, ultraviolet light irradiation. Avoid dropping or puncture of containers.

INCOMPATIBILITY: Inorganic acids, organic acids, caustics, oxidizing agents, amines, peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

Chemical Name	LD50/LC50
Methyl methacrylate	Oral LD50: Rat 7,872 mg/kg Oral LD50: Rat 7,900 mg/kg Dermal LD50: Rabbit > 5 g/kg Inhalation LC50: Rat 4632 ppm/4 h
Methacrylate Blend	Oral LD50: rat > 5,000 mg/kg
Methacrylate phosphate ester	Oral LD50: rat > 5,000 mg/kg
Methacrylic acid	Oral LD50: Rat 1,060 mg/kg Oral LD50: Rat 1,060 mg/kg Dermal LD50: Rabbit 500 - 1,000 mg/kg Inhalation LC50: Rat 7.1 mg/l /4 h
Amine curative	N.D.
N,N-Dimethylaniline	Oral LD50: Rat 700 mg/kg Dermal LD50: Rabbit 1770 µL/kg Inhalation LC50: Rat > 5.1 mg/l /4 h

SAFETY DATA SHEET

DG PN 540685-() Part A

12. ECOLOGICAL INFORMATION

Chemical Name	Ecotoxicity
Methyl methacrylate	Fish: Pimephales promelas 243 - 275 mg/l/96 h flow-through Pimephales promelas 125.5 - 190.7 mg/l/96 h Static Lepomis macrochirus 170 - 206 mg/l/96 h flow-through Lepomis macrochirus 153.9 - 341.8 mg/l/96 h Static Oncorhynchus mykiss > 79 mg/l/96 h flow-through Oncorhynchus mykiss > 79 mg/l/96 h Static Poecilia reticulata 326.4 - 426.9 mg/l/96 h Static Invertebrates: Daphnia magna 69 mg/l/48 h Plants: Pseudokirchneriella subcapitata 170 mg/l/96 h
Methacrylate Blend	N.D.
Methacrylate phosphate ester	N.D.
Methacrylic acid	N.D.
Amine curative	N.D.
N,N-Dimethylaniline	Fish: Pimephales promelas 52.6 mg/l/96 h flow-through Pimephales promelas 65.6 mg/l/96 h Poecilia reticulata 53.7 mg/l/96 h semi-static Brachydanio rerio 51.1 mg/l/96 h semi-static Brachydanio rerio 0.183 - 0.186 mg/l/96 h Invertebrates: Daphnia magna 5 mg/l/48 h Plants: Desmodium subspicatus 340 mg/l/96 h

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

BIOACCUMULATIVE: Not determined for this product.

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality. Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

14. TRANSPORT INFORMATION

US DOT Road

DOT Proper Shipping Name:	Adhesives
DOT Hazard Class:	3
SECONDARY HAZARD:	None
DOT UN/NA Number:	1133
Packing Group:	II
Emergency Response Guide Number:	128

IATA Cargo

PROPER SHIPPING NAME:	Adhesives
DOT Hazard Class:	3
HAZARD CLASS:	None
UN-NUMBER:	1133
PACKING GROUP:	II
EMS:	3L

SAFETY DATA SHEET
DG PN 540685-() Part A

14. TRANSPORT INFORMATION (Continued)

IMDG

PROPER SHIPPING NAME:	Adhesives
DOT Hazard Class:	3
HAZARD CLASS:	None
UN-NUMBER:	1133
PACKING GROUP:	II
EMS:	F-E

The listed transportation classification applies to US DOT Road, IATA Cargo, and IMDG non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS:

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	CAS Number	Weight % Less Than
Methyl methacrylate	80-62-6	35.0 %
N,N-Dimethylaniline	121-69-7	5.0 %

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS

The chemical substances in this product are on the TSCA Section 8 Inventory.

EXPORT NOTIFICATION

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:
NONE

16. OTHER INFORMATION

Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

HMIS RATINGS - HEALTH: 2* FLAMMABILITY: 3 PHYSICAL HAZARD: 1

* - Indicates a chronic hazard; see Section 2

Revision: New GHS SDS Format

DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate. However, 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 is offered solely for your consideration, interpretation and information. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.