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Material Safety Data Sheet
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Document id : 31-5491-1 Issue date : 2015/01/07
Version : 6.00 Supersedes date : 2014/12/22

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M(TM) SCOTCH-WELD(TM) ACRYLIC ADHESIVE DP8405NS, GREEN

Product ID:

62-2856-1445-9 62-2856-1450-9 62-2856-3630-4 HB-0043-2754-8

Intended Use of Product:

This product is a kit or a multipart product which consists of multiple, independently packaged components. An MSDS for each of the WHMIS controlled components is included. An MSDS for non-WHMIS controlled components may also be included. Please do not separate the component MSDSs from this cover page. The document numbers of the MSDSs for components of this product are:

Kit component(s):

31-5470-5 3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Green, Part A
31-5479-6 3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Green, Part B

Division:

AD - Industrial Adhesives and Tapes Division

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Material Safety Data Sheet
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Document id : 31-5470-5 Issue date : 2014/12/22

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Prepared by: Corporate Regulatory Services, 3M Canada Company
Telephone: (800) 364-3577, Fax: (800) 603-7758, Web Site: www.3M.ca

1 Chemical Product and Company Identification

Tradename:

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Green, Part A
Product ID:

Intended Use of Product:

Adhesive

Division:

AD - Industrial Adhesives and Tapes Division

2 Hazards Identification

Critical Hazards:

DIPROPYLENE GLYCOL DIBENZOATE (27138-31-4) has been shown to cause teratogenic effects in animals in the absence of maternal toxicity following oral exposure.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

See Sections 7 and 11 for further information.

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 2 of 9
Green, Part A

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
DIPROPYLENE GLYCOL DIBENZOATE	27138-31-4	40 - 70
ACRYLATE POLYMER	25101-28-4	10 - 30
Pyrimidine Heterocyclic Compound	Trade Secret	7 - 13
ORGANIC PEROXIDE	13122-18-4	5 - 10

NOTE:

Pyrimidine Heterocyclic Compound is a Trade Secret. Refer to section 15 for further information.

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Wash affected area with soap and water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention.

5 Fire Fighting Measures

Flash point: 93.33 C CC

Lower Explosive Limit (%): Not Available

Upper Explosive Limit (%): Not Available

Autoignition temperature: Not Available

Suitable Extinguishing Media:

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam). Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

No data available.

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 3 of 9
Green, Part A

Combustion Products from Fire:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Water may be used to blanket the fire. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health 2

NFPA: Fire 1

NFPA: Reactivity 0

NFPA: Unusual Reaction Hazard

none

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a

material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Special Instructions:

Not applicable.

6 Accidental Release Measures

Personal Precautions:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 4 of 9
Green, Part A

available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS.

7 Handling and Storage

Storage Requirements:

Keep container closed when not in use. Store in a cool, dry place.

Incompatible Materials:

Store away from acids;
Store away from heat;
Store out of direct sunlight.
Store away from oxidizing agents.

Ventilation:

Keep container in well-ventilated area.

Use Instructions:

Avoid eye contact. Keep container tightly closed. Avoid skin contact. Avoid breathing of vapours. Avoid contact with oxidizing agents.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.

The following should be worn alone or in combination, as appropriate, to prevent eye contact: Safety glasses with side shields Indirect vented goggles;

Hand Protection:

The following glove material(s) are recommended: nitrile rubber;

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid breathing of vapours. Avoid breathing of vapours created during the cure cycle. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 5 of 9
Green, Part A-----
areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

DIPROPYLENE GLYCOL DIBENZOATE (27138-31-4)

Specific Ingredient Data

No data available. No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

ACRYLATE POLYMER (25101-28-4)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

Pyrimidine Heterocyclic Compound (Trade Secret)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

ORGANIC PEROXIDE (13122-18-4)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits
No data available.

9 Physical and Chemical Properties

Physical form,Color,Odour: Liquid; paste; Blue; Mild;
ester odour;
Odour Threshold: No data available.
pH: Not applicable
Boiling point/boiling range: >= 65.56 C
Melting point/melting range: Not applicable
Vapour pressure: Not Available

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 6 of 9
Green, Part A

Water Solubility: Nil
Partition coefficient (K o/w): Not Available
Specific gravity: 1.08 Water=1
Vapour density: No data available.
Volatile organic compounds: 5.6 % EPA24C
Evaporation rate: Not Available
Viscosity: 20,000 - 25,000 centipoise
Percent Volatile: < 6 % by weight

10 Stability and Reactivity

Conditions to Avoid:
Sparks and/or Flames;
Heat;

Materials to Avoid:
Strong oxidizing agents;
Strong acids;
Strong bases;
Amines;

Hazardous Decomposition:
Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;

Stability and Reactivity:
Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:
Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

Effects from Skin Contact:
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. Mild Skin Irritation: Signs/symptoms can include localized redness, swelling, and itching.

Effects from Inhalation:
Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 7 of 9
Green, Part A

include redness, swelling, blistering, and itching.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

DIPROPYLENE GLYCOL DIBENZOATE (27138-31-4)has been shown to cause teratogenic effects in animals in the absence of maternal toxicity following oral exposure.

Component Based Information:

No data available.

Product Based Information:

No data available.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

No data available.

Ecofate Data:

13 Disposal Considerations

Product as Sold:

Incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transport Information

Transportation of Dangerous Goods

TDG Classification:

Not determined.

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations.

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 8 of 9
Green, Part A

3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

15 Regulatory Information

WHMIS Classification: C, D2A, D2B, F
HMIRA Registry Number: 9089
Claim Status: Claim for Exemption has been granted.
Date of Decision: 12 December 2014

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

TSCA - Toxic Substances Control Act (USA)
EINECS - European Inventory of Existing Commercial Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 3 - Composition/Information on Ingredients
Section 9 - Physical and Chemical Properties;
Section 11 - Toxicological Information;
Section 15 - Regulatory Information

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 9 of 9
Green, Part A

particular purpose and suitable for user's method of use or application.

---End---

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Material Safety Data Sheet
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Prepared by: Corporate Regulatory Services, 3M Canada Company
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1 Chemical Product and Company Identification

Tradename:

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Green, Part B
Product ID:

Intended Use of Product:

Adhesive

Division:

AD - Industrial Adhesives and Tapes Division

2 Hazards Identification

Critical Hazards:

Flammable liquid and vapour.

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

See Sections 7 and 11 for further information.

Green, Part B

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
METHYL METHACRYLATE	80-62-6	40 - 70
ACRYLONITRILE-BUTADIENE POLYMER	9003-18-3	10 - 30
Fillers	Trade Secret	5 - 10
Hydroxyl Methacrylate (HEMA)	868-77-9	1 - 5
BISPHENOL A POLYETHYLENE GLYCOL	41637-38-1	5 - 10
DIETHER DIMETHACRYLATE		
DISPERSING AGENT	Trade Secret	0.1 - 5
Phosphate Esters of PPG Methacrylate	Trade Secret	1 - 5
HYDROTREATED LIGHT PARAFFINIC	64742-55-8	0.1 - 1
DISTILLATES (PETROLEUM)		
COPPER SALT	1338-02-9	0.1 - 1

NOTE:

PHOSPHATES ESTERS OF PPG METHACRYLATE is a Trade Secret. Refer to section 15 for further information.

FILLERS is a non-hazardous Trade Secret material according to WHMIS criteria.

DISPERSING AGENT is a non-hazardous Trade Secret material according to WHMIS criteria.

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Wash affected area with soap and water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention.

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 3 of 10
Green, Part B

5 Fire Fighting Measures

Flash point: ≥ 10.0 C CC

Lower Explosive Limit (%): Not Available

Upper Explosive Limit (%): Not Available

Autoignition temperature: Not Available

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Combustion Products from Fire:

Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
Oxides of Nitrogen - During Combustion;

Unusual Fire and Explosion Hazards

Flammable liquid and vapour.

Fire Fighting Procedures:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Water may be used to blanket the fire. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health 2

NFPA: Fire 2

NFPA: Reactivity 0

NFPA: Unusual Reaction Hazard

none

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 4 of 10
Green, Part B

6 Accidental Release Measures

Personal Precautions:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Cover spill area with a fire-extinguishing

foam. An aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Seal the container.

7 Handling and Storage

Storage Requirements:

Store away from areas where product may come into contact with food or pharmaceuticals. Keep container closed when not in use. Store in a cool, dry place.

Incompatible Materials:

Store away from acids;
Store away from heat;
Store out of direct sunlight.
Store away from oxidizing agents.

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 5 of 10
Green, Part B

Ventilation:

Keep container in well-ventilated area.

Fire Prevention:

Ground containers securely when transferring contents. Wear low static or properly grounded shoes. No smoking while handling this material.

Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

Static Prevention:

Avoid static discharge.

Use Instructions:

Avoid eye contact.
Keep container tightly closed.
Avoid skin contact.
Avoid breathing of vapours.
Avoid contact with oxidizing agents.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.
The following should be worn alone or in combination, as appropriate, to prevent eye contact: Safety glasses with side shields Indirect vented goggles;

Hand Protection:

The following glove material(s) are recommended: polyvinyl alcohol;

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid breathing of vapours. Avoid breathing of vapours created during the cure cycle. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation. Do not use in a confined area or areas with little or no air movement. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 6 of 10
Green, Part B

control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data**METHYL METHACRYLATE (80-62-6)**

LD50 (rat, oral) 7872 mg/kg
LD50 (dermal, rabbit) > 5 g/kg
LC50 (rat, inhalation/4 hours) 7093 ppm as vapour

Exposure Limits

ACGIH: TWA 50 ppm Sensitizer;

ACGIH: STEL 100 ppm Sensitizer;

ACRYLONITRILE-BUTADIENE POLYMER (9003-18-3)**Specific Ingredient Data**

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

Fillers (Trade Secret)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

Hydroxyl Methacrylate (HEMA) (868-77-9)**Specific Ingredient Data**

No data available.

LD50 (rat, oral) 5050 mg/m3

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

BISPHENOL A POLYETHYLENE GLYCOL DIETHER DIMETHACRYLATE (41637-38-1)**Specific Ingredient Data**

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

DISPERSING AGENT (Trade Secret)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

Phosphate Esters of PPG Methacrylate (Trade Secret)

LD50 (rat, oral) No data available.

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 7 of 10
Green, Part B

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

HYDROTREATED LIGHT PARAFFINIC DISTILLATES (PETROLEUM) (64742-55-8)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

COPPER SALT (1338-02-9)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

9 Physical and Chemical Properties

Physical form,Color,Odour: Liquid; paste; White;
Methacrylate odour;

Odour Threshold: No data available.

pH: Not applicable

Boiling point/boiling range: >= 37.78 C

Melting point/melting range: Not applicable

Vapour pressure: Not Available

Water Solubility: Nil

Partition coefficient (K o/w): Not Available

Specific gravity: 1.07 Water=1

Vapour density: No data available.

Volatile organic compounds: 75.7 gms/liter EPA24T
(When used as intended with
Part A)

Evaporation rate: Not Available

Viscosity: 50,000 - 80,000 centipoise

Percent Volatile: 55 - 60 % by weight

10 Stability and Reactivity

Conditions to Avoid:
Sparks and/or Flames;
Heat;

Materials to Avoid:
Strong oxidizing agents;
Strong acids;
Strong bases;
Amines;

Hazardous Decomposition:

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 8 of 10
Green, Part B

Carbon monoxide - During Combustion;
Carbon dioxide - During Combustion;
Oxides of Nitrogen - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Effects from Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May be absorbed following inhalation and cause target organ effects.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Carcinogenicity:

No data available.

Mutagenicity:

HEMA (CAS# 868-77-9) has been shown to damage DNA in some in vitro (cell culture) studies; it did not damage DNA in an in vivo (whole animal) study.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

Other Effects & Information:

Prolonged or repeated exposure may cause: Olfactory Effects:
Signs/symptoms may include decreased ability to detect odors and/or complete loss of smell.

3M(TM) Scotch-Weld(TM) Acrylic Adhesive DP8405NS, Page 9 of 10
Green, Part B

12 Ecological Information

Environmental Data:

Ecotoxicity Data:
No data available.
Ecofate Data:

13 Disposal Considerations

Product as Sold:

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transport Information

Transportation of Dangerous Goods

TDG Classification:

Not determined.

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

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15 Regulatory Information

WHMIS Classification:

B2, D2B

HMIRA Registry Number:

9115

Claim Status:

Claim for Exemption has been granted.

Date of Decision:

23 December 2014

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

TSCA - Toxic Substances Control Act (USA)

AICS - Australian Inventory of Chemical Substances

EINECS - European Inventory of Existing Commercial Chemical Substances

CICS - Chinese Inventory of Chemical Substances

16 Other Information

Reason for Reissue:

Section 11 - Toxicological Information;

The following Sections and topics have been updated or revised:

Section 15 - Regulatory Information

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

---End---