# HH-66 Vinyl Cement

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Updated August 2019

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** HH-66 Vinyl Cement

**Synonyms:** PVC Vinyl Adhesive

### 1.2. Intended Use of the Product

**Use of the Substance/Mixture:** No use is specified.

### 1.3. Name, Address, and Telephone of the Responsible Party

**Company**

RH Products Co., Inc.
308 Old High Street
Acton, MA USA 01720
Information Telephone Number: 1-978-897-8000
email: sales@rhadhesives.com

### 1.4. Emergency Telephone Number

**Emergency Number** : 1-800-535-5053 INFOTRAC; 1-352-323-3500 INFOTRAC International

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

| | |
|---|---|
| Flam. Liq. 2 | H225 |
| Eye Irrit. 2 | H319 |
| Repr. 2 | H361 |
| STOT SE 3 | H336 |
| STOT RE 2 | H373 |
| Aquatic Acute 3 | H402 |

Full text of hazard classes and H-statements : see section 16

### 2.2. Label Elements

**GHS-US Labeling**

**Hazard Pictograms (GHS-US)** :


**Signal Word (GHS-US)** : Danger

**Hazard Statements (GHS-US)** :
H225 - Highly flammable liquid and vapor.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H361 - Suspected of damaging fertility or the unborn child.
H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).
H402 - Harmful to aquatic life.

**Precautionary Statements (GHS-US)** :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical, ventilating, and lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a poison center or doctor if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use water spray, fog, carbon dioxide, alcohol-resistant foam, or dry chemical to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name | Synonyms | Product Identifier | % | GHS US classification |
|---|---|---|---|---|
| Methyl ethyl ketone | Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl acetone / MEK / Butanone | (CAS-No.) 78-93-3 | 44 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336 |
| Acetone | Dimethyl ketone / 2-Propanone / ACETONE / Propan-2-one | (CAS-No.) 67-64-1 | 34 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336 |
| 1,3-Benzenedicarboxylic acid, polymer with dimethyl 1,4-benzenedicarboxylate, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol and nonanedioic acid | 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, dimethyl ester, nonanedioic acid, 1,2-ethanediol and 2,2-dimethyl-1,3-propanediol / 1,3-Benzenedicarboxylic acid, polymer with 1,4-dimethyl 1,4-benzenedicarboxylate, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol and nonanedioic acid | (CAS-No.) 75701-44-9 | 14.1 | Not classified |
| Toluene | Benzene, methyl- / Methylbenzene / Phenylmethane / TOLUENE | (CAS-No.) 108-88-3 | 7.9 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 3, H412 |

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. If exposed or concerned: Get medical advice/attention.

**First-aid Measures After Eye Contact:** Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**Symptoms/Injuries:** Causes serious eye irritation. May cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child.

**Symptoms/Injuries After Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Repeated exposure may cause skin dryness or cracking. Suspected of damaging fertility or the unborn child. May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide ($CO_2$), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. A heavy water stream may spread burning liquid.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Highly flammable liquid and vapor. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

**Explosion Hazard:** May form flammable or explosive vapor-air mixture.

**Reactivity:** Reacts violently with strong oxidizers. Increased risk of fire or explosion. May form explosive peroxides.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, $CO_2$).

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe vapor, mist or spray. Avoid all contact with skin, eyes, or clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Use only non-sparking tools. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Handle empty containers with care because residual vapors are flammable.

**Precautions for Safe Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not breathe vapors, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

**Storage Conditions:** Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Amines. Inorganic acids. Metal salts.

### 7.3. Specific End Use(s)

No use is specified.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

| **Methyl ethyl ketone (78-93-3)** | | |
|---|---|---|
| **USA ACGIH** | ACGIH TWA (ppm) | 200 ppm |
| **USA ACGIH** | ACGIH STEL (ppm) | 300 ppm |
| **USA ACGIH** | Biological Exposure Indices (BEI) | 2 mg/l Parameter: MEK - Medium: urine - Sampling time: end of shift (nonspecific) |
| **USA NIOSH** | NIOSH REL (TWA) (mg/m³) | 590 mg/m³ |
| **USA NIOSH** | NIOSH REL (TWA) (ppm) | 200 ppm |
| **USA NIOSH** | NIOSH REL (STEL) (mg/m³) | 885 mg/m³ |
| **USA NIOSH** | NIOSH REL (STEL) (ppm) | 300 ppm |
| **USA IDLH** | US IDLH (ppm) | 3000 ppm |
| **USA OSHA** | OSHA PEL (TWA) (mg/m³) | 590 mg/m³ |
| **USA OSHA** | OSHA PEL (TWA) (ppm) | 200 ppm |

| **Acetone (67-64-1)** | | |
|---|---|---|
| **USA ACGIH** | ACGIH TWA (ppm) | 250 ppm |
| **USA ACGIH** | ACGIH STEL (ppm) | 500 ppm |
| **USA ACGIH** | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| **USA ACGIH** | Biological Exposure Indices (BEI) | 25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific) |
| **USA NIOSH** | NIOSH REL (TWA) (mg/m³) | 590 mg/m³ |
| **USA NIOSH** | NIOSH REL (TWA) (ppm) | 250 ppm |
| **USA IDLH** | US IDLH (ppm) | 2500 ppm (10% LEL) |
| **USA OSHA** | OSHA PEL (TWA) (mg/m³) | 2400 mg/m³ |
| **USA OSHA** | OSHA PEL (TWA) (ppm) | 1000 ppm |

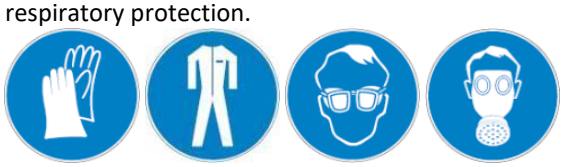
| **Toluene (108-88-3)** | | |
|---|---|---|
| **USA ACGIH** | ACGIH TWA (ppm) | 20 ppm |
| **USA ACGIH** | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| **USA ACGIH** | Biological Exposure Indices (BEI) | 0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: prior to last shift of workweek<br>0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift<br>0.3 mg/g Kreatinin Parameter: o-Cresol with hydrolysis - Medium: urine - Sampling time: end of shift (background) |
| **USA NIOSH** | NIOSH REL (TWA) (mg/m³) | 375 mg/m³ |

| | | |
|---|---|---|
| **USA NIOSH** | NIOSH REL (TWA) (ppm) | 100 ppm |
| **USA NIOSH** | NIOSH REL (STEL) (mg/m³) | 560 mg/m³ |
| **USA NIOSH** | NIOSH REL (STEL) (ppm) | 150 ppm |
| **USA IDLH** | US IDLH (ppm) | 500 ppm |
| **USA OSHA** | OSHA PEL (TWA) (ppm) | 200 ppm |
| **USA OSHA** | OSHA PEL (Ceiling) (ppm) | 300 ppm |
| **USA OSHA** | Acceptable Maximum Peak Above The Acceptable Ceiling Concentration For An 8-Hr Shift | 500 ppm Peak (10 minutes) |

### 8.2. Exposure Controls

**Appropriate Engineering Controls** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

**Personal Protective Equipment** : Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing** : Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

**Hand Protection** : Wear protective gloves.

**Eye and Face Protection** : Chemical safety goggles.

**Skin and Body Protection** : Wear suitable protective clothing.

**Respiratory Protection** : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information** : When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

**Physical State** : Liquid

**Appearance** : White

**Odor** : Strong Aromatic Odor/sharp mint like fragrance

**Odor Threshold** : No data available

**pH** : No data available

**Evaporation Rate** : No data available

**Melting Point** : No data available

**Freezing Point** : No data available

**Boiling Point** : > 35 °C (95 °F)

**Flash Point** : -14 °C (6.8 °F) ASTM D-56

**Auto-ignition Temperature** : No data available

**Decomposition Temperature** : No data available

**Flammability (solid, gas)** : Not applicable

**Vapor Pressure** : > 1 (heavier than air)

**Relative Vapor Density at 20°C** : No data available

**Relative Density** : 0.88 (water = 1)

**Solubility** : No data available

**Partition Coefficient: N-Octanol/Water** : No data available

**Viscosity** : No data available

**Lower Flammable Limit** : 1 %

**Upper Flammable Limit** : 12 %

### 9.2. Other Information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:** Reacts violently with strong oxidizers. Increased risk of fire or explosion. May form explosive peroxides.

**10.2. Chemical Stability:** Extremely flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

**10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

**10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Amines. Inorganic acids. Metal salts.

**10.6. Hazardous Decomposition Products:** Not expected to decompose under ambient conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

| **Methyl ethyl ketone (78-93-3)** | |
|---|---|
| **LD50 Oral Rat** | 2483 mg/kg |
| **LD50 Dermal Rat** | > 10 ml/kg |
| **LD50 Dermal Rabbit** | 5000 mg/kg |
| **LC50 Inhalation Rat** | 34.5 mg/l/4h |
| **LC50 Inhalation Rat** | 11700 ppm/4h |

| **Acetone (67-64-1)** | |
|---|---|
| **LD50 Oral Rat** | 5800 mg/kg (Species: Sprague-Dawley) |
| **LD50 Dermal Rabbit** | 15688 mg/kg |
| **LC50 Inhalation Rat** | 44 g/m³ |

| **Toluene (108-88-3)** | |
|---|---|
| **LD50 Oral Rat** | 2600 mg/kg |
| **LD50 Dermal Rabbit** | 12000 mg/kg |
| **LC50 Inhalation Rat** | 25.7 mg/l/4h |

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

| **Toluene (108-88-3)** | |
|---|---|
| **IARC group** | 3 |

**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity (Single Exposure):** May cause drowsiness or dizziness.

**Specific Target Organ Toxicity (Repeated Exposure):** May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation. Repeated or prolonged skin contact may cause dermatitis and defatting.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Repeated exposure may cause skin dryness or cracking. Suspected of damaging fertility or the unborn child. May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : Harmful to aquatic life.

| **Methyl ethyl ketone (78-93-3)** | |
|---|---|
| **LC50 Fish 1** | 3130 (3130 - 3320) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow- |

| | |
|---|---|
| | through]) |
| **EC50 Daphnia 1** | 520 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| **EC50 Daphnia 2** | 5091 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| **NOEC Chronic Algae** | 93 mg/l |

| **Acetone (67-64-1)** | |
|---|---|
| **LC50 Fish 1** | 4144.846 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| **EC50 Daphnia 1** | 1679.66 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| **LC50 Fish 2** | 6210 (6210 - 8120) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| **EC50 Daphnia 2** | 12600 (12600 - 12700) mg/l (Exposure time: 48 h - Species: Daphnia magna) |

| **Toluene (108-88-3)** | |
|---|---|
| **LC50 Fish 1** | 15.22 (15.22 - 19.05) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| **EC50 Daphnia 1** | 5.46 (5.46 - 9.83) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| **LC50 Fish 2** | 12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| **EC50 Daphnia 2** | 11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| **NOEC Chronic Fish** | 1.4 mg/l (Oncorhynchus kisutch) |
| **NOEC Chronic Crustacea** | 0.74 mg/l (Ceriodaphnia dubia) |

### 12.2. Persistence and Degradability

| **HH-66 Vinyl Cement** | |
|---|---|
| **Persistence and Degradability** | Not established. |

| **Acetone (67-64-1)** | |
|---|---|
| **Persistence and Degradability** | Readily biodegradable in water. |

### 12.3. Bioaccumulative Potential

| **HH-66 Vinyl Cement** | |
|---|---|
| **Bioaccumulative Potential** | Not established. |

| **Methyl ethyl ketone (78-93-3)** | |
|---|---|
| **Log Pow** | 0.3 |

| **Acetone (67-64-1)** | |
|---|---|
| **BCF Fish 1** | 0.69 |
| **Log Pow** | -0.24 |
| **Log Kow** | -0.24 |

| **Toluene (108-88-3)** | |
|---|---|
| **Log Pow** | 2.7 |

**12.4. Mobility in Soil** No additional information available

### 12.5. Other Adverse Effects

**Other Information** : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Additional Information:** Handle empty containers with care because residual vapors are flammable.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

### 14.1. In Accordance with DOT

**Proper Shipping Name** : ADHESIVES
**Hazard Class** : 3
**Identification Number** : UN1133
**Label Codes** : 3
**Packing Group** : II

**ERG Number** : 128

### 14.2. In Accordance with IMDG

**Proper Shipping Name** : ADHESIVES
**Hazard Class** : 3
**Identification Number** : UN1133
**Packing Group** : II
**Label Codes** : 3
**EmS-No. (Fire)** : F-E
**EmS-No. (Spillage)** : S-D


### 14.3. In Accordance with IATA

**Proper Shipping Name** : ADHESIVES
**Packing Group** : II
**Identification Number** : UN1133
**Hazard Class** : 3
**Label Codes** : 3
**ERG Code (IATA)** : 3L


## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

| **HH-66 Vinyl Cement** | |
|---|---|
| **SARA Section 311/312 Hazard Classes** | Health hazard - Specific target organ toxicity (single or repeated exposure)<br>Health hazard - Reproductive toxicity<br>Physical hazard - Flammable (gases, aerosols, liquids, or solids)<br>Health hazard - Serious eye damage or eye irritation |

| **Methyl ethyl ketone (78-93-3)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| **CERCLA RQ** | 5000 lb |

| **Acetone (67-64-1)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| **CERCLA RQ** | 5000 lb |

| **Toluene (108-88-3)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| **CERCLA RQ** | 1000 lb |
| **SARA Section 313 - Emission Reporting** | 1 % |

| **1,3-Benzenedicarboxylic acid, polymer with dimethyl 1,4-benzenedicarboxylate, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol and nonanedioic acid (75701-44-9)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| **EPA TSCA Regulatory Flag** | XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711). |

### 15.2. US State Regulations

| **Methyl ethyl ketone (78-93-3)** |
|---|
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| U.S. - Pennsylvania - RTK (Right to Know) List |

| **Acetone (67-64-1)** |
|---|
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| U.S. - Pennsylvania - RTK (Right to Know) List |

| **Toluene (108-88-3)** |
|---|
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |

U.S. - Pennsylvania - RTK (Right to Know) List

**California Proposition 65**

**WARNING:** This product can expose you to Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Chemical Name (CAS No.) | Carcinogenicity | Developmental Toxicity | Female Reproductive Toxicity | Male Reproductive Toxicity |
|---|---|---|---|---|
| Toluene (108-88-3) | | X | | |

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 08/21/2019

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

**GHS Full Text Phrases:**

| | |
|---|---|
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Chronic Hazard Category 3 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation Category 2 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Repr. 2 | Reproductive toxicity Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT RE 2 | Specific target organ toxicity (repeated exposure) Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H225 | Highly flammable liquid and vapor |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H361 | Suspected of damaging fertility or the unborn child |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H412 | Harmful to aquatic life with long lasting effects |

*The information above is believed to be accurate and represents the information currently available to us. We however, make no warranty of merchantability or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from its use.*

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