



SAFETY DATA SHEET

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polyaspartic Part A - Safety Yellow

Product Code: 90-EC102A-91

WESTCOAT SPECIALTY COATING SYSTEMS 4007
Lockridge St
San Diego, CA 92102

Information Telephone: 800-250-4519
Emergency Telephone: 800-424-9300

Section 2 - HAZARDS IDENTIFICATION

GHS Ratings:

| | | |
|--------------------|----|--|
| Skin corrosive | 1C | Destruction of dermal tissue: Exposure < 4 hours Observation < 14 days, visible necrosis in at least one animal |
| Eye corrosive | 1 | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |
| Skin sensitizer | 1 | Skin sensitizer |
| Carcinogen | 2 | Limited evidence of human or animal carcinogenicity |
| Reproductive toxin | 1B | Presumed, Based on experimental animals |

GHS Hazards

| | |
|------|--|
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H351 | Suspected of causing cancer |
| H360 | May damage fertility or the unborn child |

GHS Precautions

| | |
|----------------|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required |
| P310 | Immediately call a POISON CENTER or doctor/physician |
| P363 | Wash contaminated clothing before reuse |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting |
| P302+P352 | IF ON SKIN: Wash with soap and water |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P305+P351+P338 | IF IN EYES: Rinse continuously 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 |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P405 | Store locked up |

Signal Word: Danger



Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS number | Weight Concentration % |
|---|-------------|------------------------|
| Aspartic acid, N,N'-[methylenebis(2-methyl-4,1-cyclohexanediyl)]bis-, tetraethyl ester | 136210-32-7 | 30.00% - 40.00% |
| DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexanediyl) bis-, tetraethyl ester | 136210-30-5 | 30.00% - 40.00% |
| Cyclohexanemethanamine, 1,3,3-trimethyl-N-(2-methylpropylidene)-5-[(2-methylpropylidene)amino]- | 54914-37-3 | 20.00% - 30.00% |
| Xylenes (o-, m-, p- isomers) | 1330-20-7 | 1.00% - 5.00% |
| Ethylbenzene | 100-41-4 | 0.10% - 1.00% |

Section 4 - FIRST AID MEASURES

First aid measures for different exposure routes

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, get medical attention.

Section 5 - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, foam, CO₂, dry powder.

UNSUITABLE EXTINGUISHING MEDIA: High volume water jet.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear NFPA approved self-contained breathing apparatus and full protective clothing. Avoid contact with product. Decontaminate equipment and protective clothing prior to re-use. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint. Autoignition may occur with cotton waste or similar combustible materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Isophorone diamine, isobutyraldehyde, nitrogen oxides, carbon monoxide, carbon dioxide.

SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing apparatus and full protective clothing must be worn in case of fire, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots and

gloves. Vapors or mist may be a fire and explosion hazard when exposed to high temperature or ignition. Closed container may forcibly rupture under extreme heat. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Toxic gases/fumes may be given off during burning or thermal decomposition.

Section 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Eliminate all ignition sources; use explosion-proof equipment. Place material in container and dispose of according to local, provincial, state and federal regulations. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools.

Section 7 - HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING: Do not breathe vapors or spray mist. Avoid contact with eyes or skin. Avoid contact with clothing. Use only with adequate ventilation and personal protection. Remove contaminated personal protective equipment (PPE), then wash hands and face thoroughly after handling and before eating and drinking. Keep container closed when not in use. Empty containers retain product residue and can be hazardous. Do not get in eyes, on skin or on clothing. Do not ingest. Keep away from heat, sparks, flames and other sources of ignition. Avoid release to the environment.

CONDITIONS FOR SAFE STORAGE: Keep away from food products during use and storage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled, unapproved or reactive containers. Use appropriate containment to avoid environmental contamination. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination with moisture is suspected. Personnel education and training in the safe use and handling of this product are required under OSHA Hazard Communication Standard 29 CFR 1910.1200.

INCOMPATIBLE MATERIALS OR IGNITION SOURCES: This material may have a low electrical conductivity and therefore may accumulate dangerous levels of static electricity. An ignitable vapor-air mixture can form inside storage tanks. The user must be sure to dissipate static charge by careful bonding and grounding of all equipment, and personnel involved in fluid transfer should conduct continuity checks to prove effectiveness of bonding and grounding. Additional precautions against fire and explosion are the use of inert gas to purge vapor space; dip-pipes while filling vessels, especially lined vessels; grounded tank level floats; reduced flow velocity; self-closing valves on transfer lines; flame arrestors in vent lines. Additional guidance on fire and explosion protection may be found in various consensus standards, including NFPA 30, 69 and 77 and API 2003 as well as OSHA regulation 29CFR1910.106.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|----------------------|-----------------------|-----------------------|
| Aspartic acid, N,N'-[methylenebis(2-methyl-4,1-cyclohexanediyl)]bis-, tetraethyl ester 136210-32-7 | Not Established | Not Established | Not Established |
| DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, tetraethyl ester 136210-30-5 | Not Established | Not Established | Not Established |

| | | | |
|---|-------------------------------|-----------------------------|---|
| Cyclohexanemethanamine, 1,3,3-trimethyl-N-(2-methylpropylidene)-5-[(2-methylpropylidene)amino]- 54914-37-3 | Not Established | Not Established | Not Established |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | 100 ppm TWA; 435 mg/m3 TWA | 150 ppm STEL 100 ppm TWA | Not Established |
| Ethylbenzene 100-41-4 | 100 ppm TWA; 435 mg/m3 TWA | 20 ppm TWA | NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL |

Individual protection measures, such as personal protective equipment

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| <p>Appearance : Liquid</p> <p>Odor threshold : N/A</p> <p>Melting point : N/A</p> <p>Flash Pt(F/C) : 201°F / 94°C</p> <p>Flammability (solid, gas) : N/A</p> <p>Vapor pressure : N/A</p> <p>Relative density : 1.01</p> <p>Partition coefficient:n-octanol/water : N/A</p> <p>Decomposition temp : N/A</p> | <p>Odor : N/A</p> <p>PH : N/A</p> <p>Boiling point : >94°C</p> <p>Evaporation rate : N/A</p> <p>LEL/UEL : 1%</p> <p>Vapor density : 3.7</p> <p>Solubility : None</p> <p>Autoignition temp : 465°C</p> <p>Viscosity : N/A</p> |
|---|--|

Section 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Air humidity, water.

INCOMPATIBILITY: Water, oxidizing agents, cotton waste or other combustible materials.

HAZARDOUS DECOMPOSITION: Decomposition products in hydrolysis/thermal decomposition isophorone diamine, isobutyraldehyde.

POSSIBILITY OF HAZARDOUS REACTIONS: Autoignition may occur with cotton waste or similar combustible materials.

STABILITY: This product is stable under normal storage conditions.

Section 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity

Inhalation Toxicity LC50: 1,480mg/L

Component Toxicity

| | |
|-----------|---|
| 1330-20-7 | Xylenes (o-, m-, p- isomers) Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 29 mg/L (Rat) |
| 100-41-4 | Ethylbenzene Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 17 mg/L (Rat) |

Exposure to this material may affect the following organs:

Effects of Overexposure

EYE CONTACT: Corrosive. May cause burns resulting in permanent damage. May injure eye tissue and result in permanent damage.

SKIN CONTACT: Corrosive. May cause burns resulting in permanent damage. Causes skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

INHALATION: No information was found regarding effects from inhalation exposure. May cause respiratory tract irritation. Because of its low volatility, exposure to vapors is unlikely. High concentrations of mists may irritate the nose and throat and cause nausea, headache, dizziness, weakness and fatigue. May cause lung sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

INGESTION: Corrosive and may cause severe and permanent damage to mouth, throat and stomach. This product has a low order of acute oral toxicity based on animal data.

PRIMARY ROUTE (S) OF ENTRY: Eye Contact, Inhalation, Skin Absorption, Skin.

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|------------------------------|-----------------|---|
| 1330-20-7 | Xylenes (o-, m-, p- isomers) | 1 to 5% | Xylenes (o-, m-, p- isomers): |
| 100-41-4 | Ethylbenzene | .1 to 1.0% | Ethylbenzene: IARC: Possible human carcinogen OSHA: listed |

Section 12 - ECOLOGICAL INFORMATION

Component Ecotoxicity

| | |
|------------------------------|---|
| Xylenes (o-, m-, p- isomers) | 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L |
| Ethylbenzene | 96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static] 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static] |

Section 13 - DISPOSAL CONSIDERATIONS

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to entering waterways, wastewater, soil, storm drains or sewer systems .

Section 14 - TRANSPORT INFORMATION

This material is classified for transport as follows:

| Agency | Proper Shipping Name | UN Number | Packing Group | Hazard Class |
|--------|---|-----------|---------------|--------------|
| DOT | Non-Regulated Material | | | |
| DOT | Non-Regulated Material. Limited Quantity (2 gal. Kit) | | | |

Section 15 - REGULATORY INFORMATION

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- 1330-20-7 Xylenes (o-, m-, p- isomers) 1 to 5 %
- 100-41-4 Ethylbenzene 0.1 to 1.0 %

CERCLA-SARA Hazard Category: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- 1330-20-7 Xylenes (o-, m-, p- isomers) 1 to 5 %
- 100-41-4 Ethylbenzene 0.1 to 1.0 %

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:

- None

Hazardous Material Information System (HMIS)

| | | |
|----------------------------|-------------------------------------|---|
| HEALTH | <input type="text" value="2"/> | HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH |
| FLAMMABILITY | <input type="text" value="1"/> | |
| PHYSICAL HAZARD | <input type="text" value="1"/> | |
| PERSONAL PROTECTION | <input checked="" type="checkbox"/> | |

Westcoat Specialty Coating Systems believes, to the best of its knowledge, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Westcoat Specialty Coating Systems makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Date Prepared: 4/25/2023



SAFETY DATA SHEET

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polyaspartic Part B - Pigmented & Clear

Product Code: 90-EC102B

WESTCOAT SPECIALTY COATING SYSTEMS

4007 Lockridge St
San Diego, CA 92102

Information Telephone: 800-250-4519

Emergency Telephone: 800-424-9300

Section 2 - HAZARDS IDENTIFICATION

GHS Ratings:

| | | |
|------------------------|---|---|
| Flammable liquid | 3 | Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F) |
| Respiratory sensitizer | 1 | Respiratory sensitizer |
| Skin sensitizer | 1 | Skin sensitizer |

GHS Hazards

| | |
|------|---|
| H226 | Flammable liquid and vapour |
| H302 | Harmful if swallowed |
| H317 | May cause an allergic skin reaction |
| H320 | Causes eye irritation |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |

GHS Precautions

| | |
|----------------|---|
| P210 | Keep away from heat/sparks/open flames/hot surfaces – No smoking |
| P233 | Keep container tightly closed |
| P240 | Ground/bond container and receiving equipment |
| P241 | Use explosion-proof electrical/ventilating/light/.../equipment |
| P242 | Use only non-sparking tools |
| P243 | Take precautionary measures against static discharge |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P285 | In case of inadequate ventilation wear respiratory protection |
| P363 | Wash contaminated clothing before reuse |
| P302+P352 | IF ON SKIN: Wash with soap and water |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P342+P311 | Call a POISON CENTER or doctor/physician |
| P403+P235 | Store in a well ventilated place. Keep cool |

Signal Word: **Danger**



Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS number | Weight Concentration % |
|--|------------|------------------------|
| Hexamethylene diisocyanate homopolymer | 28182-81-2 | 60.00% - 80.00% |
| Benzene, 1-chloro-4-(trifluoromethyl)- | 98-56-6 | 30.00% - 60.00% |

Section 4 - FIRST AID MEASURES

First aid measures for different exposure routes

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, get medical attention.

Section 5 - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Isolate from heat, electrical equipment, sparks and open flame. Vapors can travel to a source of ignition and flash back. Vapors may form explosive mixtures with air. No unusual fire or explosion hazards noted.

Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Combustible liquid and vapor.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

Section 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Eliminate all ignition sources; use explosion-proof equipment. Place material in container and dispose of according to local, provincial, state and federal regulations. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools.

Section 7 - HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING: Remove all sources of ignition, including flames, heat, and sparks. Take precautionary measures against static discharges. Ground and bond containers and equipment before transferring to avoid static sparks.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, well-ventilated area. Use with adequate explosion proof ventilation, isolate from sources of heat, sparks or flames. Extinguish all sources of ignition include remote pilot and lights. Maybe harmful is swallow or inhaled.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--|----------------------|-----------------------|-----------------------|
| Hexamethylene diisocyanate homopolymer 28182-81-2 | Not Established | Not Established | Not Established |
| Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6 | Not Established | Not Established | Not Established |

Individual protection measures, such as personal protective equipment

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| <p>Appearance : Liquid</p> <p>Odor threshold : N/A</p> <p>Melting point : N/A</p> <p>Flash Pt(F/C) : 130°F / 54°C</p> <p>Flammability (solid, gas) : Flammable Liquid</p> <p>Vapor pressure : 2.7 mmHg</p> <p>Relative density : 1.21</p> <p>Partition coefficient:n- N/A octanol/water :</p> <p>Decomposition temp : N/A</p> | <p>Odor : Aromatic odor</p> <p>PH : N/A</p> <p>Boiling point : >54°C</p> <p>Evaporation rate : N/A</p> <p>LEL/UEL : N/A</p> <p>Vapor density : 5.8</p> <p>Solubility : Insoluble</p> <p>Autoignition temp : 460°C</p> <p>Viscosity : N/A</p> |
|---|--|

Section 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid all possible sources of ignition. Avoid temperatures above 120 °F. Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis .

HAZARDOUS DECOMPOSITION: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents, which may form carbon monoxide, carbon dioxide, and formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

Section 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity

Inhalation Toxicity LC50: 22mg/L

Component Toxicity

98-56-6

Benzene, 1-chloro-4-(trifluoromethyl)-

Oral LD50: 13 g/kg (Rat) Inhalation LC50: 33 mg/L (Rat)

Exposure to this material may affect the following organs:

Effects of Overexposure

EYE CONTACT: Causes eye irritation. Substance causes moderate eye irritation.

SKIN CONTACT: May cause sensitization. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Severely irritating; may cause permanent skin damage. May cause allergic reaction. Prolonged or repeated skin contact may cause irritation. Substance may cause slight skin irritation.

INHALATION: Harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat and lungs. High gas, vapor, mist or dust concentrations

may be harmful if inhaled. Prolonged or excessive inhalation may cause respiratory tract irritation.

INGESTION: Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage. Irritating to the nose, throat and respiratory tract.

CHRONIC HAZARDS: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

PRIMARY ROUTE (S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, and Skin Contact.

Section 12 - ECOLOGICAL INFORMATION

Component Ecotoxicity

Benzene, 1-chloro-4-(trifluoromethyl)- 48 Hr EC50 Daphnia magna: 3.68 mg/L

Section 13 - DISPOSAL CONSIDERATIONS

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to entering waterways, wastewater, soil, storm drains or sewer systems.

Section 14 - TRANSPORT INFORMATION

This material is classified for transport as follows:

| Agency | Proper Shipping Name | UN Number | Packing Group | Hazard Class |
|--------|---|-----------|---------------|--------------|
| DOT | Paint Related Material | UN1263 | III | 3 |
| DOT | Non-Regulated Material. Limited Quantity (2 gal. Kit) | | | |

Section 15 - REGULATORY INFORMATION

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

CERCLA-SARA Hazard Category: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- None

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:

- None

Section 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

| | | |
|---------------------|-------------------------------------|---|
| HEALTH | <input type="text" value="1"/> | HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH |
| FLAMMABILITY | <input type="text" value="3"/> | |
| PHYSICAL HAZARD | <input type="text" value="1"/> | |
| PERSONAL PROTECTION | <input checked="" type="checkbox"/> | |

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