

VINYLDENE CHLORIDE,

INHIBITED UN1303 RQ
CAS #75-35-4

FIRE	Extremely flammable liquid and vapor. Immediately evacuate area. Only trained personnel equipped with NIOSH/MSHA approved self-contained breathing apparatus should be allowed in area. Toxic and corrosive fumes of hydrogen chloride can be formed. Use foam, water, carbon dioxide or dry chemicals to fight fire. Use water spray to cool equipment exposed to fire. Explosive peroxides may be formed by exposure to air.
EXPOSURE	INHALATION: Remove to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. EYE OR SKIN CONTACT: Immediately flush eyes and skin with water (soap and water for skin) for at least 15 minutes while removing contaminated clothing and shoes. If irritation occurs, consult a physician. SWALLOWING: If conscious, drink large quantities of water. DO NOT induce vomiting. Take immediately to a hospital or physician. If vomiting occurs, administer additional water. If unconscious, or in convulsions, take immediately to a hospital. DO NOT give anything by mouth to an unconscious person.
SPILL OR LEAK	Evacuate area, remove all ignition sources and provide maximum ventilation. Only persons equipped with proper respiratory and skin/eye protection should be allowed in area. Dike area of spill, using adsorbents such as sand or vermiculite to avoid spread of spilled material. Then pump diked material into covered container for disposal. Any remaining material should be adsorbed on sand or vermiculite and swept into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. DO NOT flush to sewer. If area of spill is porous, remove as much contaminated earth, gravel, etc. as necessary and place in closed containers for disposal. Contaminated sawdust, vermiculite, or porous surface may be disposed of in an approved hazardous waste management facility. Recovered liquids may be reprocessed or incinerated or must be treated in a permitted hazardous waste management facility.
EMERGENCY	Transportation Incident: Contact CHEMTREC (800) 424-9300 In all other emergencies, contact PPG Industries, Inc. Natick, WV (304) 843-1300

DANGER!

- EXTREMELY FLAMMABLE
- VAPOR HARMFUL
- EXPLOSIVE PEROXIDES MAY BE FORMED BY EXPOSURE TO AIR

Handling and Storage

- MATERIAL SHOULD NOT BE STORED LONGER THAN FOUR (4) MONTHS
- Store in a cool, dry place away from direct sunlight and other sources of heat.
- Adequate ventilation must be maintained in storage areas to reduce fire hazard in the event of a leak.
- Wear goggles, gloves and skin protection when handling.
- Wear respiratory protection in any case where exposure may be above permissible exposure limits.
- Before unloading, purge air from unloading system with nitrogen and keep Vinylidene Chloride in a nitrogen atmosphere.
- Avoid contact with air or oxygen. May create explosive peroxides.
- AVOID CONTAMINATION OF WATER SUPPLIES: Handling, storage and use procedures must be carefully monitored to avoid spills or leaks. Any spill or leak has the potential to cause underground water contamination which may, if sufficiently severe, render a drinking water source unfit for human consumption. Contamination that does occur cannot be easily corrected.
- Container and system must be electrically grounded before unloading.
- Store only in closed, properly labeled containers.
- For additional product information, contact PPG Industries, Inc.



PPG Industries, Inc.
 One PPG Place
 Pittsburgh, PA 15272

Made in U.S.A.

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L9C-889D

SEE REVERSE SIDE FOR PRECAUTIONS AND FIRST AID

NOTE: READ AND REMOVE TAG BEFORE UNLOADING

VINYLDENE CHLORIDE,
INHIBITED UN1303 RQ
CAS #75-35-4

DANGER!

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PRECAUTIONS

- **KEEP AWAY FROM HEAT, SPARKS AND FLAME**
- **AVOID BREATHING VAPORS.** Excessive vapor inhalation can cause illness or death. Long-term, low-level vapor inhalation can cause kidney and liver injury.
- **USE WITH ADEQUATE VENTILATION:** Ventilation must be sufficient to limit employee exposure to Vinylidene Chloride below OSHA Permissible Exposure Limit 1 ppm, 8-hour TWA (Time Weighted Average).
- **AVOID CONTACT WITH EYES, SKIN OR CLOTHING.** Eye or skin contact causes irritation and may cause burns.
- **DO NOT ALLOW AIR INTO CONTAINERS OR STORAGE VESSELS.** Exposure of Vinylidene Chloride to air may form explosive peroxides.
- **DO NOT SWALLOW.**

+ FIRST AID +

- **INHALATION.** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- **EYE OR SKIN CONTACT.** Immediately flush eyes and skin with water (soap and water for skin) for at least 15 minutes while removing contaminated clothing and shoes. If irritation occurs, consult a physician. Thoroughly clean contaminated clothing and shoes before reuse or discard.
- **SWALLOWING:** If conscious, drink large quantities of water. **DO NOT** induce vomiting. Take immediately to a hospital or physician. If vomiting occurs, administer additional water. If unconscious, or in convulsions, take immediately to hospital. **DO NOT** give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: NEVER administer adrenaline following Vinylidene Chloride overexposure. Increased sensitivity of the heart to adrenaline may be caused by overexposure to Vinylidene Chloride.



PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272

L9C-889D

SEE REVERSE SIDE FOR HANDLING AND STORAGE

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TRANSPORTATION SAFETY DATA CARD

VINYLDENE CHLORIDE,

INHIBITED **UN1303** **RQ**
CAS #75-35-4

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L9B-889D

SEE REVERSE SIDE FOR HANDLING AND STORAGE

TRANSPORTATION SAFETY DATA CARD

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EMERGENCY

Transportation Incident: Contact **CHEMTREC (800) 424-9300**. In all other emergencies, contact PPG Industries, Inc., Natrium, WV (304) 843-1300.

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- Adequate ventilation must be maintained in storage areas to reduce fire hazard in the event of a leak.
- Wear goggles, gloves and skin protection when handling.
- Wear respiratory protection in any case where exposure may be above permissible exposure limits.
- Before unloading, purge air from unloading system with nitrogen and keep Vinylidene Chloride in a nitrogen atmosphere.
- Avoid contact with air or oxygen. May create explosive peroxides.
- AVOID CONTAMINATION OF WATER SUPPLIES: Handling, storage and use procedures must be carefully monitored to avoid spills or leaks. Any spill or leak has the potential to cause underground water contamination which may, if sufficiently severe, render a drinking water source unfit for human consumption. Contamination that does occur cannot be easily corrected.
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Pittsburgh, PA 15272

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L98-889D

SEE REVERSE SIDE FOR PRECAUTIONS AND FIRST AID

VINYLDENE CHLORIDE

UN1303

RQ 5000 lbs/2270 kg

CAS #75-35-4

FIRE

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Natrium, WV (304) 843-1300

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Pittsburgh, PA 15272

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L120A-1A-1284C

SEE REVERSE SIDE FOR PRECAUTIONS AND FIRST AID

NOTE: READ AND REMOVE TAG BEFORE UNLOADING

SL 071092

VINYLDENE CHLORIDE

UN1303

RG 5000 lbs/2270 kg

CAS #75-35-4

DANGER!

- EXTREMELY FLAMMABLE
- VAPOR HARMFUL
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PRECAUTIONS

- KEEP AWAY FROM HEAT, SPARKS AND FLAME
- AVOID BREATHING VAPORS. Excessive vapor inhalation can cause illness or death. Long-term, low-level vapor inhalation can cause kidney and liver injury.
- USE WITH ADEQUATE VENTILATION. Ventilation must be sufficient to limit employee exposure to Vinylidene Chloride below PPG Internal Permissible Exposure Limit: 2.5 ppm, 8-hour TWA, 10 ppm, STEL (15-minute short-term exposure limit).
- AVOID CONTACT WITH EYES, SKIN OR CLOTHING. Eye or skin contact causes severe irritation and may cause burns.
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L120A-1A-1284C

SEE REVERSE SIDE FOR HANDLING AND STORAGE

NOTE: READ AND REMOVE TAG BEFORE UNLOADING

TRANSPORTATION SAFETY DATA CARD

VINYLDENE CHLORIDE**UN1303****RQ 5000 lbs/2270 kg****CAS #75-35-4****FIRE**

Extremely flammable liquid and vapor. Immediately evacuate area. Only trained personnel equipped with NIOSH/MSHA-approved self-contained breathing apparatus should be allowed in area. Toxic and corrosive fumes of hydrogen chloride can be formed. Use foam, water, carbon dioxide or dry chemicals to fight fire. Use water spray to cool equipment exposed to fire. Explosive peroxides may be formed by exposure to air.

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EMERGENCY

Transportation Incident: Contact **CHEMTREC (800) 424-9300**.
In all other emergencies, contact PPG Industries, Inc.,
Natrium, WV (304) 843-1300.

DANGER!

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Handling and Storage

- **MATERIAL SHOULD NOT BE STORED LONGER THAN FOUR (4) MONTHS.**
- Store in a cool, dry place away from direct sunlight and other sources of heat.
- Adequate ventilation must be maintained in storage areas to reduce fire hazard in the event of a leak.
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- Before unloading, purge air from unloading system with nitrogen and keep Vinylidene Chloride in a nitrogen atmosphere.
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- Container and system must be electrically grounded before unloading.
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PPG Industries, Inc.
One PPG Place

Made in U.S.A.

SL 071094

TRANSPORTATION SAFETY DATA CARD
VINYLDENE CHLORIDE
UN1303 **RQ 5000 lbs/2270 kg** **CAS #75-35-4**

DANGER!

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PRECAUTIONS

- **KEEP AWAY FROM HEAT, SPARKS AND FLAME.**
- **AVOID BREATHING VAPORS.** Excessive vapor inhalation can cause illness or death. Long-term, low-level vapor inhalation can cause kidney and liver injury.
- **USE WITH ADEQUATE VENTILATION:** Ventilation must be sufficient to limit employee exposure to Vinylidene Chloride below PPG Internal Permissible Exposure Limit: 2.5 ppm, 8-hour TWA; 10 ppm, STEL (15-minute short-term exposure limit).
- **AVOID CONTACT WITH EYES, SKIN OR CLOTHING.** Eye or skin contact causes severe irritation and may cause burns.
- **DO NOT ALLOW AIR INTO CONTAINERS OR STORAGE VESSELS.** Exposure of Vinylidene Chloride to air may form explosive peroxides.
- **DO NOT SWALLOW.**

+ FIRST AID +

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UN1303

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May form explosive peroxide

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PPG INDUSTRIES Inc.
One Gateway Center
Pittsburgh, PA 15222

LT204 1A 7516

SEE REVERSE SIDE FOR HANDLING AND STORAGE

NOTE: READ AND REMOVE TAG BEFORE UNLOADING.

VINYLLIDENE CHLORIDE

UN1303

RQ

FIRE

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SPILL OR LEAK

Evacuate area, remove all ignition sources and provide maximum ventilation. Only persons equipped with proper respiratory and skin/eye protection should be allowed in area. **Small spills.** Absorb on sand or vermiculite and place in closed, vented container for disposal. **Large spills.** Dike area. Pump into closed containers for disposal. Flush area with water and maintain ventilation until traces have evaporated. **DO NOT** flush to sewer; may create explosion hazard.

EMERGENCY

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- Wear goggles, gloves and skin protection when handling.
- Wear respiratory protection in any case where exposure may be above recommended limit [PPG - 2.5 ppm (8-hour TWA), 10 ppm (STEL)]
- Before unloading, purge unloading system with oxygen-free nitrogen.
- Avoid contact with air or oxygen. May create explosive peroxides.
- Container and system must be electrically grounded before unloading.
- Do not store in open, unlabeled or mislabeled containers.



PPG INDUSTRIES, Inc.
One Gateway Center
Pittsburgh, PA 15222

U120A 1A-782B

SEE REVERSE SIDE FOR PRECAUTIONS AND FIRST AID.

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TRANSPORTATION SAFETY DATA CARD

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INDUSTRIES

PPG INDUSTRIES, Inc.
One Gateway Center
Pittsburgh, PA 15222

LT120A-1A-782R

SL 071098

TRANSPORTATION SAFETY DATA CARD

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- Before unloading, purge unloading system with oxygen-free nitrogen.
- Avoid contact with air or oxygen. May create explosive peroxides.
- Container and system must be electrically grounded before unloading.
- Do not store in open, unlabeled or mislabeled containers.



PPG INDUSTRIES, Inc.
One Gateway Center
Pittsburgh, PA 15222

1T120A.1A 782R

SL 071099

VINYLDENE CHLORIDE

FIRE	Extremely flammable liquid and vapor. Immediately evacuate area. Only trained personnel equipped with NIOSH/MSHA-approved self-contained breathing apparatus should be allowed in area. Toxic and corrosive fumes of hydrogen chloride can be formed. Use foam, water, carbon dioxide or dry chemicals to fight fire. Use water spray to cool equipment exposed to fire. Explosive peroxides may be formed by exposure to air.
EXPOSURE	<i>Inhalation:</i> Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
SPILL OR LEAK	Evacuate area, remove all ignition sources and provide maximum ventilation. Only persons equipped with proper respiratory and skin eye protection should be allowed in area. <i>Small spills:</i> Absorb on sand or vermiculite and place in closed, vented container for disposal. <i>Large spills:</i> Dike area. Pump into closed containers for disposal. Flush area with water and maintain ventilation until traces have evaporated. DO NOT flush to sewer—may create explosion hazard.
EMERGENCY	<i>Transportation Incident:</i> Contact CHEMTREC (800) 424-9300. In all other emergencies, contact PPG Industries, Inc., Natrium, WV (304) 843-1300.

DANGER!

- EXTREMELY FLAMMABLE
- VAPOR HARMFUL
- EXPLOSIVE PEROXIDES MAY BE FORMED BY EXPOSURE TO AIR

Handling and Storage

- Store in a cool, dry place away from direct sunlight and other sources of heat
- Adequate ventilation must be maintained in storage areas to reduce fire hazard in the event of a leak
- Wear goggles, gloves and skin protection when handling
- Wear respiratory protection in any case where exposure may be above recommended limit (ACGIH—10ppm)
- Before unloading, purge unloading system with oxygen-free nitrogen
- Avoid contact with air or oxygen. May create explosive peroxides
- Container and system must be electrically grounded before unloading
- Do not store in open, unlabeled or mislabeled containers



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Chemicals Group
One Gateway Center
Pittsburgh, PA 15222

U120A 1-4-8704

SEE REVERSE SIDE FOR PRECAUTIONS AND FIRST AID

NOTE: READ AND REMOVE TAG BEFORE UNLOADING.

VINYLDENE CHLORIDE

DANGER!

- EXTREMELY FLAMMABLE
- VAPOR HARMFUL
- EXPLOSIVE PEROXIDES MAY BE FORMED BY EXPOSURE TO AIR

PRECAUTIONS

- KEEP AWAY FROM HEAT, SPARKS AND FLAME
- AVOID BREATHING VAPOR.
- USE WITH ADEQUATE VENTILATION.
Ventilation must be sufficient to limit employee exposure to vinylidene chloride below ACGIH recommended limit (10 ppm—ACGIH 1976)
- AVOID CONTACT WITH EYES, SKIN OR CLOTHING.
Eye or skin contact causes severe irritation and may cause burns
- AVOID CONTACT WITH AIR OR OXYGEN
May form explosive peroxide

+ FIRST AID +

- INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- EYE OR SKIN CONTACT: Immediately flush eyes and skin with water (soap and water for skin) for at least 15 minutes, while removing contaminated clothing and shoes. If irritation occurs, consult a physician.



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One Gateway Center
Pittsburgh, PA 15222

obsolete 7/12

SEE REVERSE SIDE FOR HANDLING AND STORAGE

NOTE: READ AND REMOVE TAG BEFORE UNLOADING

TRANSPORTATION SAFETY DATA CARD

VINYLDENE CHLORIDE

FIRE	Extremely flammable liquid and vapor. Immediately evacuate area. Only trained personnel equipped with NIOSH/MSHA-approved self-contained breathing apparatus should be allowed in area. Toxic and corrosive fumes of hydrogen chloride can be formed. Use foam, water, carbon dioxide or dry chemicals to fight fire. Use water spray to cool equipment exposed to fire. Explosive peroxides may be formed by exposure to air.
EXPOSURE	<i>Inhalation:</i> Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
SPILL OR LEAK	Evacuate area, remove all ignition sources and provide maximum ventilation. Only persons equipped with proper respiratory and skin/eye protection should be allowed in area. <i>Small spills:</i> Absorb on sand or vermiculite and place in closed, vented container for disposal. <i>Large spills:</i> Dike area. Pump into closed containers for disposal. Flush area with water and maintain ventilation until traces have evaporated. DO NOT flush to sewer—may create explosion hazard.
EMERGENCY	<i>Transportation Incident:</i> Contact CHEMTREC (800) 424-9300. In all other emergencies, contact PPG Industries, Inc., Natrium, WV (304) 843-1300.

DANGER!

- EXTREMELY FLAMMABLE
- VAPOR HARMFUL
- EXPLOSIVE PEROXIDES MAY BE FORMED BY EXPOSURE TO AIR

Handling and Storage

- Store in a cool, dry place away from direct sunlight and other sources of heat.
- Adequate ventilation must be maintained in storage areas to reduce fire hazard in the event of a leak.
- Wear goggles, gloves and skin protection when handling.
- Wear respiratory protection in any case where exposure may be above recommended limit. (ACGIH—10ppm)
- Before unloading, purge unloading system with oxygen-free nitrogen.
- Avoid contact with air or oxygen. May create explosive peroxides.
- Container and system must be electrically grounded before unloading.
- Do not store in open, unlabeled or mislabeled containers.



PPG INDUSTRIES, Inc.
Chemicals Group
One Gateway Center
Pittsburgh, PA 15222

obsolete 7/82
LT120A-1A-579A

SEE REVERSE SIDE FOR PRECAUTIONS AND FIRST AID

TRANSPORTATION SAFETY DATA CARD

VINYLDENE CHLORIDE

DANGER!

- EXTREMELY FLAMMABLE
- VAPOR HARMFUL
- EXPLOSIVE PEROXIDES MAY BE FORMED BY EXPOSURE TO AIR

PRECAUTIONS

- KEEP AWAY FROM HEAT, SPARKS AND FLAME.
- AVOID BREATHING VAPOR.
- USE WITH ADEQUATE VENTILATION.
Ventilation must be sufficient to limit employee exposure to vinylidene chloride below ACGIH recommended limit (10 ppm—ACGIH 1976)
- AVOID CONTACT WITH EYES, SKIN OR CLOTHING.
Eye or skin contact causes severe irritation and may cause burns
- AVOID CONTACT WITH AIR OR OXYGEN
May form explosive peroxide

+ FIRST AID +

- INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- EYE OR SKIN CONTACT: Immediately flush eyes and skin with water (soap and water for skin) for at least 15 minutes while removing contaminated clothing and shoes. If irritation occurs, consult a physician.



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Chemicals Group
One Gateway Center
Pittsburgh, PA 15222

LT120A-1A-579A

SEE REVERSE SIDE FOR HANDLING AND STORAGE

VINYLDENE CHLORIDE, INHIBITED

TECHNICAL GRADE
FOR INDUSTRIAL USE ONLY

NOT FOR FOOD, DRUG,
COSMETIC OR PESTICIDE USE

Chemicals



DANGER!

**EXTREMELY FLAMMABLE
VAPOR HARMFUL
CAUSES EYE AND SKIN IRRITATION
EXPLOSIVE PEROXIDES MAY BE FORMED BY EXPOSURE TO AIR**

Precautions

- **KEEP AWAY FROM HEAT, SPARKS AND FLAME.**
- **AVOID BREATHING VAPOR.**
- **USE WITH ADEQUATE VENTILATION.**
Ventilation must be sufficient to limit employee exposure in work area as far as practical below ACGIH recommended exposure limit (see below).
- **AVOID CONTACT WITH EYES, SKIN OR CLOTHING.**
Eye or skin contact causes severe irritation and may cause burns.
- **DO NOT ALLOW AIR INTO CONTAINER.**
Exposure of uninhibited or inhibitor-depleted monomer to air may form explosive peroxides.
- **FOR ADDITIONAL INFORMATION**
contact PPG Industries, Inc.

+ First Aid +

- **INHALATION OVEREXPOSURE**—Remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- **EYE OR SKIN CONTACT**—IMMEDIATELY flush with plenty of water (soap and water for skin) for at least 15 minutes. If irritation occurs, CONSULT A PHYSICIAN. Wash contaminated clothing before reuse.

Handling and Storage

- **MATERIAL SHOULD NOT BE STORED LONGER THAN FOUR (4) MONTHS.**
- Store in a cool, dry place, away from direct sunlight and other sources of heat.
- Adequate ventilation must be maintained in storage areas to reduce fire hazard in the event of a leak.
- Do not store in open, unlabeled or mislabeled containers.
- Wear goggles, gloves and skin protection when handling.
- Wear respiratory protection in any case where exposure may be above ACGIH recommended limit.
- Drum and system must be electrically grounded before unloading.
- Before unloading, purge air from unloading system with nitrogen and keep vinylidene chloride in nitrogen atmosphere.
- Relieve internal pressure by slowly loosening bung.
NOTE: If drum is bulged due to internal pressure, DO NOT ATTEMPT TO UNLOAD. Immediately contact PPG Industries at (318) 882-1200 for disposal.
- When empty, flush container with plenty of water.
- **IN CASE OF FIRE:** Wear self-contained breathing apparatus for possible exposure to toxic, corrosive gases. Use water spray to cool equipment.
- **IN CASE OF SPILL OR LEAK:** Soak up on absorbent material and sweep into vented container for disposal.

KEEP OUT OF REACH OF CHILDREN

Recommended Exposure Limit
(UNDER REVIEW AND SUBJECT TO CHANGE)

8-hour time-weighted average (TWA):
10 parts per million

American Conference of Governmental
Industrial Hygienists—1977



PPG INDUSTRIES, INC.
Chemicals Group
One Gateway Center
Pittsburgh, PA 15222

NET WEIGHT: 500 Pounds
226.8 Kilograms

VINYLLIDENE CHLORIDE, INHIBITED

TECHNICAL GRADE
FOR INDUSTRIAL USE ONLY

NOT FOR FOOD, DRUG,
COSMETIC OR PESTICIDE USE

Chemicals



INDUSTRIES

DANGER!

**EXTREMELY FLAMMABLE
VAPOR HARMFUL
CAUSES EYE AND SKIN IRRITATION
EXPLOSIVE PEROXIDES MAY BE FORMED BY EXPOSURE TO AIR**

Precautions

- **KEEP AWAY FROM HEAT, SPARKS AND FLAME.**
- **AVOID BREATHING VAPOR.**
- **USE WITH ADEQUATE VENTILATION.**
Ventilation must be sufficient to limit employee exposure in work area as far as practical below ACGIH recommended exposure limit (see below).
- **AVOID CONTACT WITH EYES, SKIN OR CLOTHING.**
Eye or skin contact causes severe irritation and may cause burns.
- **DO NOT ALLOW AIR INTO CONTAINER.**
Exposure of uninhibited or inhibitor-depleted monomer to air may form explosive peroxides.
- **FOR ADDITIONAL INFORMATION**
contact PPG Industries, Inc.

+ First Aid +

- **INHALATION OVEREXPOSURE**—Remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- **EYE OR SKIN CONTACT**—**IMMEDIATELY** flush with plenty of water (soap and water for skin) for at least 15 minutes. If irritation occurs, **CONSULT A PHYSICIAN.** Wash contaminated clothing before reuse.

Handling and Storage

- **MATERIAL SHOULD NOT BE STORED LONGER THAN FOUR (4) MONTHS.**
- Store in a cool, dry place, away from direct sunlight and other sources of heat.
- Adequate ventilation must be maintained in storage areas to reduce fire hazard in the event of a leak.
- Do not store in open, unlabeled or mislabeled containers.
- Wear goggles, gloves and skin protection when handling.
- Wear respiratory protection in any case where exposure may be above ACGIH recommended limit.
- Drum and system must be electrically grounded before unloading.
- Before unloading, purge air from unloading system with nitrogen and keep vinylidene chloride in nitrogen atmosphere.
- Relieve internal pressure by slowly loosening bung.
NOTE: If drum is bulged due to internal pressure, DO NOT ATTEMPT TO UNLOAD. Immediately contact PPG Industries at (318) 882-1200 for disposal.
- When empty, flush container with plenty of water.
- **IN CASE OF FIRE:** Wear self-contained breathing apparatus for possible exposure to toxic, corrosive gases. Use water spray to cool equipment.
- **IN CASE OF SPILL OR LEAK:** Soak up on absorbent material and sweep into vented container for disposal.

KEEP OUT OF REACH OF CHILDREN

Recommended Exposure Limit
(UNDER REVIEW AND SUBJECT TO CHANGE)

8-hour time-weighted average (TWA):
10 parts per million

American Conference of Governmental
Industrial Hygienists - 1977



PPG INDUSTRIES, INC.
Chemicals Group
One Gateway Center
Pittsburgh, PA 15222

**NET WEIGHT: 500 Pounds
226.8 Kilograms**

MADE IN U.S.A.

L120A-1B-778B

VINYLIDENE CHLORIDE (Inhibited)

Chemicals



**DANGER! EXTREMELY FLAMMABLE
VAPOR HARMFUL
MAY CAUSE BURNS
EXPLOSIVE PEROXIDES MAY BE
FORMED BY EXPOSURE TO AIR**

Keep away from heat, sparks, flames and open lights.

Keep container closed.

Avoid breathing vapor.

Avoid contact with skin, eyes and clothing.

Do not allow air into container.

FIRST AID: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. (Wash clothing before reuse.)

IN CASE OF FIRE, use water spray, foam, dry chemical or CO₂.

HANDLING AND STORAGE

KEEP CONTENTS UNDER INERT ATMOSPHERE IN DRY EQUIPMENT.

Store in a cool dry place.

RELIEVE INTERNAL PRESSURE by slowly loosening bung.

If drum is bulged due to internal pressure, promptly contact PPG Technical Service for advice on disposal.

Remove bung and transfer contents in WELL VENTILATED AREA.

Keep all open flame, lights and fire away.

When emptied, promptly flush drum with plenty of water.

Soak up SPILLS or LEAKS with sand and remove to safe area.



PPG INDUSTRIES, Inc.
Chemical Division
One Gateway Center
Pittsburgh, Pa. 15222

NET WEIGHT 500 LBS

Rev. 1/74

SAMPLE NOT FOR SALE

VINYLDENE CHLORIDE (Inhibited)

Chemicals



DANGER! EXTREMELY FLAMMABLE
VAPOR HARMFUL
MAY CAUSE BURNS

- Keep away from heat, sparks, flames and open lights.
- Keep container closed.
- Avoid breathing vapor.
- Avoid contact with skin, eyes and clothing.
- In case of contact, immediately remove all contaminated clothing, including shoes, and flush skin or eyes with plenty of water for at least 15 minutes; for eyes, GET MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

HANDLING AND STORAGE

- Store in a cool dry place.
- RELIEVE INTERNAL PRESSURE by slowly loosening bung.
- Remove bung and transfer contents in WELL VENTILATED AREA.
- Keep all open flame, lights and fire away.
- Keep contents under inert atmosphere in dry equipment.
- Soak up spills with sand and remove to safe area.
- When emptied, promptly flush drum with plenty of water.



PPG INDUSTRIES, Inc.
Chemical Division
One Gateway Center
Pittsburgh, Pa. 15222

SAMPLE NOT FOR SALE

NET WEIGHT 45 LBS

LOT NO.

1269



PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272

VINYLDENE CHLORIDE, INHIBITED UN1303

TECHNICAL GRADE - FOR INDUSTRIAL USE ONLY / NOT FOR FOOD, DRUG, COSMETIC OR PESTICIDE USE

KEEP OUT OF REACH OF CHILDREN!

DANGER! * EXTREMELY FLAMMABLE * VAPOR HARMFUL
* EXPLOSIVE PEROXIDES MAY BE FORMED BY EXPOSURE TO AIR

PRECAUTIONS:

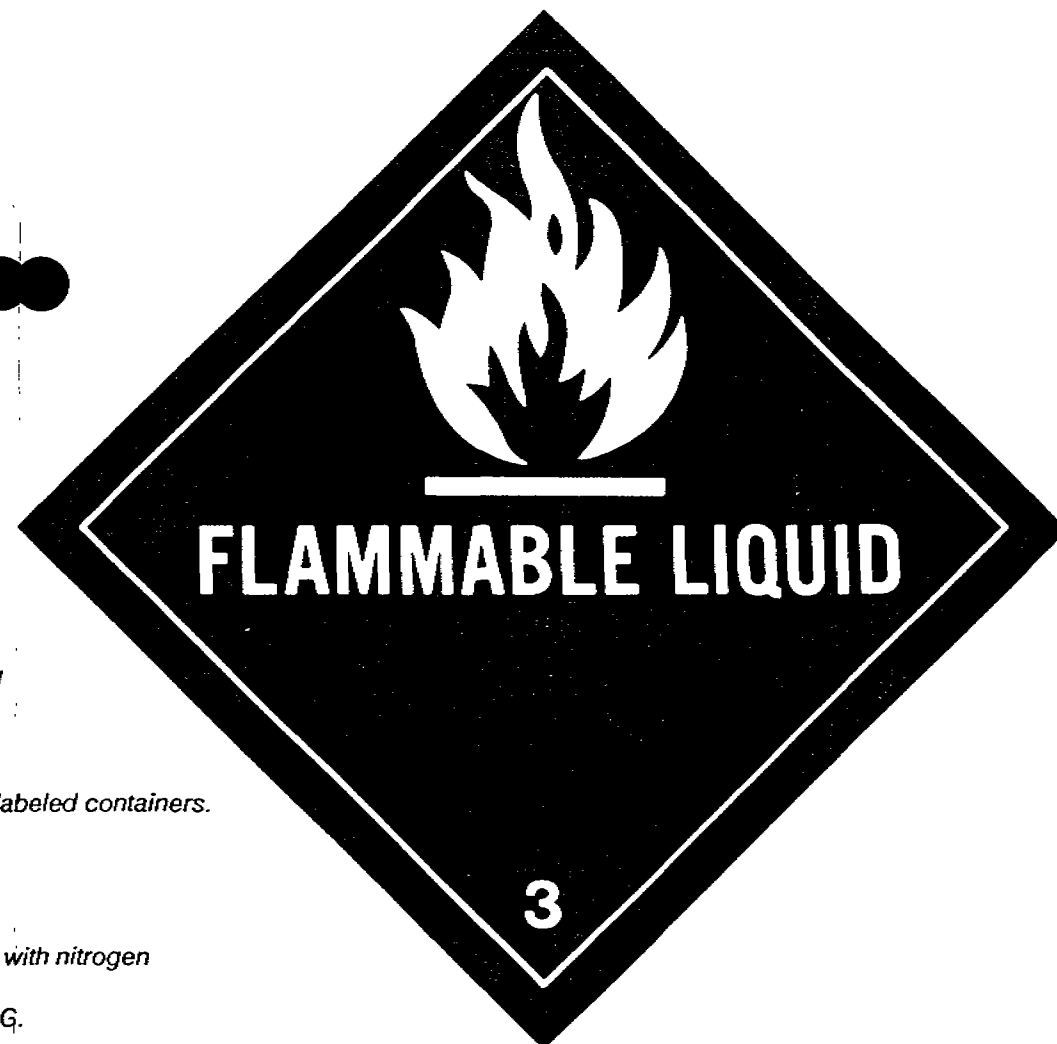
- * KEEP AWAY FROM HEAT, SPARKS AND FLAME.
- * AVOID BREATHING VAPORS.
- * USE WITH ADEQUATE VENTILATION.
- * AVOID CONTACT WITH EYES, SKIN OR CLOTHING.
- * DO NOT ALLOW AIR INTO CONTAINERS OR STORAGE VESSELS.
- * DO NOT SWALLOW.

+ FIRST AID +

- * **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
- * **EYE OR SKIN CONTACT:** Immediately flush eyes with plenty of water (soap and water for skin) for at least 15 minutes while removing contaminated clothing and shoes. If irritation occurs, consult a physician. Thoroughly clean contaminated clothing before reuse. Discard leather shoes.
- * **SWALLOWING:** If conscious, drink large quantities of water. DO NOT induce vomiting. Take immediately to a hospital or physician. If vomiting occurs, administer additional water. If unconscious or in convulsions, take immediately to a hospital or physician. DO NOT attempt to induce vomiting or give anything by mouth.
- * **NOTES TO PHYSICIAN:** Never administer adrenaline following vinylidene chloride overexposure. Increased sensitivity of the heart to adrenaline may be caused by overexposure to vinylidene chloride.

HANDLING AND STORAGE:

- * **MATERIAL SHOULD NOT BE STORED LONGER THAN FOUR (4) MONTHS.** Store only in closed, properly labeled containers.
- * Store in a cool, dry place away from direct sunlight and other sources of heat.
- * Adequate ventilation must be maintained in storage areas to reduce fire hazard in the event of a leak.
- * Wear goggles, gloves, skin and respiratory protection when handling.
- * Avoid contact with air or oxygen. May create explosive peroxides.
- * Before unloading, drum and system must be electrically grounded. Also purge air from unloading system with nitrogen and keep vinylidene chloride in nitrogen atmosphere. Relieve internal pressure by slowly loosening bung.
- * **NOTE:** If drum is bulged due to internal pressure, DO NOT ATTEMPT TO UNLOAD. Immediately contact PPG.
- * AVOID CONTAMINATION OF WATER SUPPLIES.
- * For additional product information, contact PPG Industries, Inc.



L9A-289A

EMERGENCY TELEPHONE NUMBER, PPG INDUSTRIES, INC., NATRIUM, WV (304) 843-1300

SL 071108

Suppose you were making enough film to wrap all the pastrami sandwiches in New York. Who could supply the vinylidene chloride?

PPG.

We're one of the world's major merchant suppliers of vinyl chloride monomer and the second ranking supplier of vinylidene chloride.

So if you're in the plastics business and need either one, you don't have to make your own. Just call us. It's easier than building a plant.

The main reason we're so big in vinyl chloride monomer and

vinylidene chloride is that we're big in chlorine—the largest merchant supplier of it. We have four huge chlorine plants in operation and one soon to be completed in Puerto Rico. That means a steady, long-term source for all the vinyl chloride monomer and vinylidene chloride you'll need.

Come to PPG for your chemical

supplies and we'll supply you with a lot more than chemicals. Call PPG Industries, Inc., Chemical Division, One Gateway Center, Pittsburgh, Pa. 15222.

PPG is Chemicals, Minerals,
Fiber Glass, Paints and Glass.
So far.

Chemicals



INDUSTRIES

**KEEP
LIGHTS
AND
FIRES**



DANGER
VINYLDENE CHLORIDE
FLAMMABLE LIQUID
HANDLE CAREFULLY

This car must not be next to a car
placarded Explosives
or corrosive liquid
Beware of fumes or
vapors!

WHEN LADING IS REMOVED
THIS PLACARD MUST
BE REVERSED
WCP - 300
Fom 11-24-12-69

Reels 1119170

KEEP
LIGHTS & FIRES
AWAY

THIS CAR CONTAINS

FLAMMABLE
VAPOR

OR POISONOUS
OR CORROSIVE RESIDUE

DANGEROUS

DO NOT
INHALE VAPOR

EMPTY

DO NOT
ALLOW LIQUID OR SOLID
RESIDUE TO TOUCH SKIN

Securely replace manhole cover with a bar,
and the bottom outlet cap with a wrench
having a handle at least 36 in. long.

DO NOT ENTER TANK
until it has been cleaned in accord-
ance with the shipper's instruc-
tions. DO NOT reload in
transit with any commod-
ity other than that
shown on waybill
or routing
card.

VINYLDENE CHLORIDE

(Inhibited)

DANGER!

EX-100
F-100
V-100

Emergency Situations

Persons working in emergency situations should wear the equipment shown in drawing.

Eye protection

Breathing apparatus

Neoprene rubber gloves

Hard hat



WORK

KEEP IT AWAY FROM FIRE

Avoid sparks by electrically grounding all nonsparking tools. Store this material in a cool, dry place.

KEEP AIR OUT OF ALL TANKS

Completely fill all tanks, drums and other containers. If oxygen, the vinylidene chloride can react with oxygen.

AVOID CONTAMINATION

These metals and their alloys, as well as peroxide or give off poisonous hydrogen.

DON'T BREATHE THE VAPOR

Be sure the ventilation is good before you wear your respirator.

DON'T LET THE LIQUID GET ON YOUR SKIN

Always wear close fitting goggles, rubber gloves. Severe irritation or burns. Skin contact causes severe irritation or burns.

EMERGENCY

FIRE

When vinylidene chloride burns, it gives off a very toxic gas. If you have a fire, they can use carbon dioxide or dry chemical.

SPILL OR LEAK

Clean-up persons must wear eye and skin protection. Shut off all ignition sources, get maximum ventilation.

BREATHING TOO MUCH

Acute overexposure will make a person dizzy. When you can smell it, the vapor level is high. If a person faints, carry him into fresh air and give him oxygen. Call a doctor.

EYES

If vinylidene chloride liquid gets into your eyes, flush with water for 15 minutes. Call a doctor.

Emergency situations

Hard hat

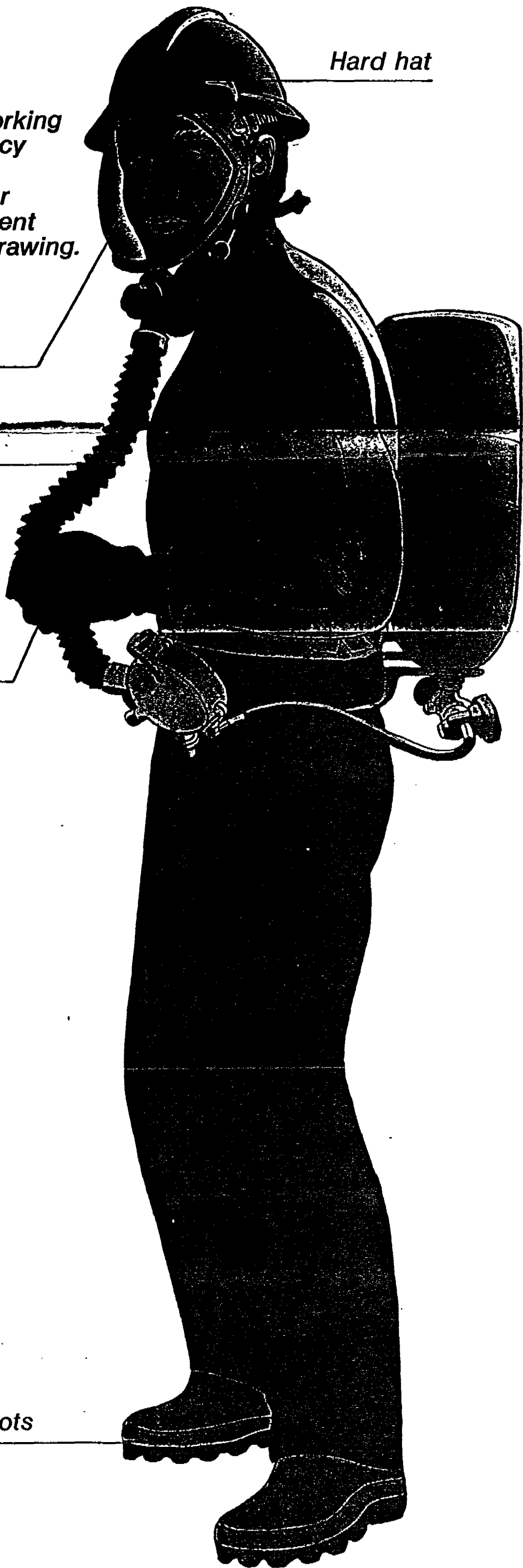
Persons working in emergency situations should wear the equipment shown in drawing.

Eye protection

Breathing apparatus

Neoprene rubber gloves

Neoprene rubber boots



WOR

KEEP IT AWAY FROM FLA

Avoid sparks by electrically grounding all tan nonsparking tools. Store this material in a co

KEEP AIR OUT OF ALL VIN

Completely fill all tanks, drums and other con oxygen, the vinylidene chloride can react with

AVOID CONTAMINATION

These metals and their alloys, as well as cata peroxide or give off poisonous hydrogen chlor

DON'T BREATHE THE VAI

Be sure the ventilation is good before you op wear your respirator.

DON'T LET THE LIQUID TO

Always wear close-fitting goggles, rubber glov severe irritation or burns. Skin contact can ca

EMEI

FIRE

When vinylidene chloride burns, it gives off pois that supplies air should be allowed in the are out a fire, they can use carbon dioxide or dry

SPILL OR LEAK

Clean-up persons must wear eye and skin pro all ignition sources, get maximum ventilation

BREATHING TOO MUCH V

Acute overexposure will make a person act s When you can smell it, the vapor level is alre If a person faints, carry him into fresh air. If t give him oxygen. Call a doctor.

EYES

If vinylidene chloride liquid gets into your eye doctor right away.

SKIN

Inhibited vinylidene chloride irritates the skin. shoes. If a rash or burn shows up, see a doc

SWALLOWING

If the person is *conscious*, give him a quart c Call a doctor. If you can't get him to vomit, te

If the person is *unconscious or in convulsion*: Don't give him anything by mouth.

Emergency Telephone Num

PPG Industries' Chemicals Group:
(304) 843-1300 in Natrium, West Virginia.
Telephone is manned to answer 24 hours a c

DOCTOR _____

AMBULANCE _____

FIRE _____

Statements and methods described herein are based on the best inf PPG Industries, Inc., at the time of this publication. PPG Industries, practices and safety guidelines similar to the statements or methods reduction of hazards in a particular facility. It is the user's responsit and safety guidelines and precautions suited to the particular requ vinylidene chloride is used.

WORK SAFELY

KEEP IT AWAY FROM FLAMES, SPARKS, HEAT AND DIRECT SUNLIGHT.

Avoid sparks by electrically grounding all tanks, pumps, pipes, etc. Use only explosion-proof electrical equipment and nonsparking tools. Store this material in a cool dry place.

KEEP AIR OUT OF ALL VINYLIDENE CHLORIDE CONTAINERS.

Completely fill all tanks, drums and other containers with nitrogen to displace air. If the inhibitor gets used up by exposure to oxygen, the vinylidene chloride can react with oxygen in the air to form an explosive peroxide.

AVOID CONTAMINATION WITH CATALYSTS, COPPER AND ALUMINUM.

These metals and their alloys, as well as catalysts, can cause the vinylidene chloride to decompose and form an explosive peroxide or give off poisonous hydrogen chloride gas.

DON'T BREATHE THE VAPORS.

Be sure the ventilation is good before you open a drum, tank or other container. If you think there are vapors in the air, wear your respirator.

DON'T LET THE LIQUID TOUCH YOUR EYES OR SKIN.

Always wear close-fitting goggles, rubber gloves and protective clothing. If vinylidene chloride gets into your eyes, it can cause severe irritation or burns. Skin contact can cause irritation and a rash.

EMERGENCIES

FIRE

When vinylidene chloride burns, it gives off poisonous and corrosive acid fumes. Only firefighters equipped with breathing apparatus that supplies air should be allowed in the area. They should not try to put out a large fire if the leak has not been shut off. To put out a fire, they can use carbon dioxide or dry chemical agents, also water spray or foam. Cool equipment by spraying with water.

SPILL OR LEAK

Clean-up persons must wear eye and skin protection, breathing apparatus that supplies air and spark-proof shoes. Get rid of all ignition sources, get maximum ventilation and try to shut off the leak.

BREATHING TOO MUCH VINYLIDENE CHLORIDE VAPOR.

Acute overexposure will make a person act strangely. Continued overexposure can lead to unconsciousness and even death. When you can smell it, the vapor level is already much too high. Even if you cannot smell it, the vapor level may be too high. If a person faints, carry him into fresh air. If he is not breathing, give him artificial respiration. If his breathing is difficult, give him oxygen. Call a doctor.

EYES

If vinylidene chloride liquid gets into your eyes, wash them immediately with plenty of water for 15 minutes. Then see a doctor right away.

SKIN

Irritated vinylidene chloride irritates the skin. Wash it off with plenty of water and soap while taking off splashed clothing and shoes. If a rash or burn shows up, see a doctor.

SWALLOWING

If the person is *conscious*, give him a quart of water to drink. Then get him to vomit by putting a finger far back in his throat. Call a doctor. If you can't get him to vomit, take him to a doctor or hospital immediately.

If the person is *unconscious or in convulsions*, take him to a doctor or hospital immediately. Don't try to get him to vomit. Don't give him anything by mouth.

Emergency Telephone Number



PPG Industries' Chemicals Group:

(404) 843-1300 in Natrium, West Virginia.

Telephone is manned to answer 24 hours a day.

DOCTOR _____

AMBULANCE _____

RE _____

Statements and methods described herein are based on the best information and practices known to PPG Industries, Inc., at the time of this publication. PPG Industries, Inc., does not represent that work practices and safety guidelines similar to the statements or methods contained herein will result in the reduction of hazards in a particular facility. It is the user's responsibility to develop work practices and safety guidelines and precautions suited to the particular requirements of the facility where vinylidene chloride is used.

PPG: A Concern for the Future



PPG INDUSTRIES, Inc.
Chemicals Group
One Gateway Center
Pittsburgh, PA 15222

A-1234-120A 1M September 1978 Printed in U.S.A.

VINYLIDENE CHLORIDE

(Inhibited)

**EXTREMELY
FLAMMABLE
VAPOR HARMFUL**

WORK SAFELY

KEEP IT AWAY FROM FLAMES, SPARKS, HEAT AND DIRECT SUNLIGHT.

Avoid sparks by electrically grounding all tanks, pumps, pipes, etc. Use only explosion-proof electrical equipment and nonsparking tools. Store this material in a cool dry place.

KEEP AIR OUT OF ALL VINYLIDENE CHLORIDE CONTAINERS.

Completely fill all tanks, drums and other containers with nitrogen to displace air. If the inhibitor gets used up by exposure to oxygen, the vinylidene chloride can react with oxygen in the air to form an explosive peroxide.

AVOID CONTAMINATION WITH CATALYSTS, COPPER AND ALUMINUM.

These metals and their alloys, as well as catalysts, can cause the vinylidene chloride to decompose and form an explosive peroxide or give off poisonous hydrogen chloride gas.

DON'T BREATHE THE VAPORS.

Be sure the ventilation is good before you open a drum, tank or other container. If you think there are vapors in the air, wear your respirator.

DON'T LET THE LIQUID TOUCH YOUR EYES OR SKIN.

Always wear close-fitting goggles, rubber gloves and protective clothing. If vinylidene chloride gets into your eyes, it can cause severe irritation or burns. Skin contact can cause irritation and a rash.

EMERGENCIES

FIRE

When vinylidene chloride burns, it gives off poisonous and corrosive acid fumes. Only firefighters equipped with breathing apparatus that supplies air should be allowed in the area. They should not try to put out a large fire if the leak has not been shut off. To put out a fire, they can use carbon dioxide or dry chemical agents, also water spray or foam. Cool equipment by spraying with water.

SPILL OR LEAK

Clean-up persons must wear eye and skin protection, breathing apparatus that supplies air and spark-proof shoes. Get rid of all ignition sources, get maximum ventilation and try to shut off the leak.

BREATHING TOO MUCH VINYLIDENE CHLORIDE VAPOR.

Acute overexposure will make a person act strangely. Continued overexposure can lead to unconsciousness and even death. When you can smell it, the vapor level is already much too high. Even if you cannot smell it, the vapor level may be too high. If a person faints, carry him into fresh air. If he is not breathing, give him artificial respiration. If his breathing is difficult, give him oxygen. Call a doctor.