

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : ECM Industries Liquid Tape Black :
 Product code 14543

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

ECM Industries, LLC.
 16250 W. Woods Edge Rd.,
 PO Box 510948
 New Berlin, WI 53151-0948
 Phone - (262)-317-8700

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 (US): +1 703-741-5970 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flam. Liq. 2 H225
 Skin Irrit. 2 H315
 Eye Irrit. 2A H319
 Carc. 2 H351
 Repr. 2 H361
 STOT SE 3 H336
 STOT RE 1 H372
 Asp. Tox. 1 H304

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H225 - Highly flammable liquid and vapour
 H304 - May be fatal if swallowed and enters airways
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H336 - May cause drowsiness or dizziness
 H351 - Suspected of causing cancer
 H361 - Suspected of damaging fertility or the unborn child
 H372 - Causes damage to organs (auditory system, central nervous system) through prolonged or repeated exposure

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, lighting, ventilating equipment
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P260 - Do not breathe mist, spray, vapors.
 P261 - Avoid breathing fume, spray, vapors.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.

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P280 - Wear protective clothing, eye protection, protective gloves
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
P302+P352 - If on skin: Wash with plenty of soap and water
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 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, a doctor if you feel unwell
P314 - Get medical advice or attention if you feel unwell.
P321 - Specific treatment (see first aid instructions on this label)
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice or attention.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use dry extinguishing powder, Carbon dioxide (CO₂), foam to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|---|-----------------------|-----------|
| Naphtha, petroleum, hydrotreated light | (CAS-No.) 64742-49-0 | 30 – 60 |
| Solvent naphtha, petroleum, light aliphatic | (CAS-No.) 64742-89-8 | 30 – 60 |
| Distillates, petroleum, light distillate hydrotreating process, low-boiling | (CAS-No.) 68410-97-9 | 30 – 60 |
| Xylenes (o-, m-, p- isomers) | (CAS-No.) 1330-20-7 | 10 – 30 |
| Heptane, branched, cyclic and linear | (CAS-No.) 426260-76-6 | 10 – 30 |
| Methyl ethyl ketone | (CAS-No.) 78-93-3 | 7 – 13 |
| n-Heptane | (CAS-No.) 142-82-5 | 7 – 13 |
| Ethylbenzene | (CAS-No.) 100-41-4 | 3 – 7 |
| Octane | (CAS-No.) 111-65-9 | 3 – 7 |
| Cyclohexane | (CAS-No.) 110-82-7 | 1 – 5 |
| Stoddard solvent | (CAS-No.) 8052-41-3 | 0.5 – 1.5 |
| Carbon black | (CAS-No.) 1333-86-4 | 0.1 – 1.0 |
| Cumene | (CAS-No.) 98-82-8 | 0.1 – 1.0 |
| Hexane | (CAS-No.) 110-54-3 | 0.1 – 1.0 |

*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general

: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation

: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact

: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

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|--------------------------------------|--|
| First-aid measures after eye contact | : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing. |
| First-aid measures after ingestion | : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately. |

4.2. Most important symptoms and effects (acute and delayed)

- | | |
|-------------------------------------|---|
| Symptoms/effects | : May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. |
| Symptoms/effects after inhalation | : May cause respiratory irritation. May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. |
| Symptoms/effects after ingestion | : May be fatal if swallowed and enters airways. |
| Chronic symptoms | : Causes damage to organs through prolonged or repeated exposure. Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. |

4.3. Immediate medical attention and special treatment, if necessary

No additional information available.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- | | |
|------------------------------|---------------------------------------|
| Suitable extinguishing media | : Foam. Carbon dioxide. Dry chemical. |
|------------------------------|---------------------------------------|

5.2. Specific hazards arising from the chemical

- | | |
|------------------|--|
| Fire hazard | : Highly flammable liquid and vapour. |
| Explosion hazard | : Heating may cause an explosion. |
| Reactivity | : No dangerous reactions known under normal conditions of use. |
| General measures | Evacuate area.Ventilate area.Keep upwind.Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection |

5.3. Special protective equipment and precautions for fire-fighters

- | | |
|--------------------------------|---|
| Precautionary measures fire | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |
| Other information | : This material is flammable and may be ignited by heat, sparks, or static electricity. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
|------------------|--|
| General measures | : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. |
|------------------|--|

6.1.1. For non-emergency personnel

- | | |
|----------------------|--|
| Protective equipment | : Wear Protective equipment as described in Section 8. |
| Emergency procedures | : Evacuate unnecessary personnel. |

6.1.2. For emergency responders

- | | |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency. |
|----------------------|---|

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|--|
| For containment | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. |
| Methods for cleaning up | : Exclude sources of ignition and ventilate the area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation. |

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6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety procedures. Use only in well-ventilated areas. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep the container tightly closed. Store in a dry, cool and well-ventilated place. Keep away from ignition sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | | |
|---|--------------------------------|---|
| Distillates, petroleum, light distillate hydrotreating process, low-boiling (68410-97-9) | | |
| OELs not established | | |
| Naphtha, petroleum, hydrotreated light (64742-49-0) | | |
| OELs not established | | |
| Solvent naphtha, petroleum, light aliphatic (64742-89-8) | | |
| OELs not established | | |
| Octane (111-65-9) | | |
| ACGIH | ACGIH TWA (ppm) | 300 ppm |
| ACGIH | Remark (ACGIH) | URT irr |
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 2350 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 500 ppm |
| OSHA | OSHA PEL (STEL) (mg/m³) | 1800 mg/m³ Vacated |
| OSHA | OSHA PEL (STEL) (ppm) | 375 ppm Vacated |
| OSHA | Regulatory reference (US-OSHA) | OSHA |
| n-Heptane (142-82-5) | | |
| ACGIH | ACGIH TWA (ppm) | 400 ppm |
| ACGIH | ACGIH STEL (ppm) | 500 ppm (listed under Heptane, all isomers) |
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 2000 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 500 ppm |
| OSHA | OSHA PEL (STEL) (mg/m³) | 2000 mg/m³ |
| OSHA | OSHA PEL (STEL) (ppm) | 500 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA |
| Ethylbenzene (100-41-4) | | |
| ACGIH | ACGIH TWA (ppm) | 20 ppm |
| ACGIH | Remark (ACGIH) | URT irr; kidney dam (nephropathy) |
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 435 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |
| OSHA | OSHA PEL (STEL) (mg/m³) | 545 mg/m³ |
| OSHA | OSHA PEL (STEL) (ppm) | 125 ppm |

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| | | |
|---|--------------------------------|---|
| Ethylbenzene (100-41-4) | | |
| OSHA | Regulatory reference (US-OSHA) | OSHA |
| Xylenes (o-, m-, p- isomers) (1330-20-7) | | |
| ACGIH | ACGIH TWA (mg/m³) | 221 mg/m³ |
| ACGIH | ACGIH TWA (ppm) | 50 ppm |
| ACGIH | ACGIH STEL (mg/m³) | 442 mg/m³ |
| ACGIH | ACGIH STEL (ppm) | 100 ppm |
| ACGIH | Remark (ACGIH) | URT & eye irr; CNS impair |
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 435 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |
| OSHA | OSHA PEL (STEL) (mg/m³) | 655 mg/m³ |
| OSHA | OSHA PEL (STEL) (ppm) | 150 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA |
| Cumene (98-82-8) | | |
| ACGIH | ACGIH TWA (ppm) | 50 ppm |
| ACGIH | Remark (ACGIH) | Eye, skin, & URT irr; CNS impair |
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 245 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 50 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA |
| Heptane, branched, cyclic and linear (426260-76-6) | | |
| OELs not established | | |
| Cyclohexane (110-82-7) | | |
| ACGIH | ACGIH TWA (ppm) | 100 ppm |
| OSHA | OSHA PEL (TWA) (mg/m³) | 1050 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 300 ppm |
| Hexane (110-54-3) | | |
| ACGIH | ACGIH TWA (ppm) | 50 ppm |
| ACGIH | Remark (ACGIH) | CNS impair; peripheral neuropathy; eye irr; Skin; BEI |
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 1800 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 500 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA |
| Methyl ethyl ketone (78-93-3) | | |
| ACGIH | ACGIH TWA (ppm) | 200 ppm |
| ACGIH | ACGIH STEL (ppm) | 300 ppm |
| OSHA | OSHA PEL (TWA) (mg/m³) | 590 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 200 ppm |
| OSHA | OSHA PEL (STEL) (mg/m³) | 885 mg/m³ |
| OSHA | OSHA PEL (STEL) (ppm) | 300 ppm |
| Stoddard solvent (8052-41-3) | | |
| ACGIH | ACGIH TWA (ppm) | 100 ppm |
| ACGIH | Remark (ACGIH) | Eye, skin, & kidney dam; |

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| Stoddard solvent (8052-41-3) | | |
|------------------------------|-------------------------------------|------------------------|
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 2900 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 500 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA |
| Carbon black (1333-86-4) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 3 mg/m ³ |
| ACGIH | Remark (ACGIH) | Bronchitis |
| ACGIH | Regulatory reference | ACGIH 2018 |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 3.5 mg/m ³ |
| OSHA | Regulatory reference (US-OSHA) | OSHA |

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):



Personal protective equipment:

Gloves. Protective goggles. Insufficient ventilation: wear respiratory protection. Protective clothing.

Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection:

Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------|---------------------|
| Physical state | : Liquid |
| Color | : Black |
| Odor | : No data available |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |

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| | |
|---|-----------------------------------|
| Freezing point | : No data available |
| Boiling point | : 79 - 141 175 - 285 (Fahrenheit) |
| Flash point | : -7 °C / 20°F |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : 78 mm Hg @ 20 C |
| Relative vapor density at 20 °C | : Heavier than air |
| Relative density | : 0.83 |
| Solubility | : Insoluble in water. |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Ignition sources. Heat. Sparks. Open flame. Static electricity.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

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 |
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified. |
| Carcinogenicity | : Suspected of causing cancer. |

Benzene (71-43-2)

| | |
|--|----------------------------|
| IARC group | 1 - Carcinogenic to humans |
| National Toxicology Program (NTP) Status | Known Human Carcinogens |

Ethylbenzene (100-41-4)

| | |
|------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |
|------------|--------------------------------------|

Naphthalene (91-20-3)

| | |
|------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |
|------------|--------------------------------------|

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| | |
|--|---|
| National Toxicology Program (NTP) Status | Reasonably anticipated to be Human Carcinogen |
| Cumene (98-82-8) | |
| IARC group | 2B - Possibly carcinogenic to humans |
| National Toxicology Program (NTP) Status | Reasonably anticipated to be Human Carcinogen |
| Silica: Crystalline, quartz (14808-60-7) | |
| IARC group | 1 - Carcinogenic to humans |
| Carbon black (1333-86-4) | |
| IARC group | 2B - Possibly carcinogenic to humans |
| 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 | : Causes damage to organs (auditory system, central nervous system) through prolonged or repeated exposure. |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |
| Viscosity, kinematic | : No data available |
| Symptoms/effects | : May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. |
| Symptoms/effects after inhalation | : May cause respiratory irritation. May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. |
| Symptoms/effects after ingestion | : May be fatal if swallowed and enters airways. |
| Chronic symptoms | : Causes damage to organs through prolonged or repeated exposure. Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No information available.

Hexane (110-54-3)

LC50 fish 1 2.1 - 2.98 mg/l 96 Hr LC50 Pimephales promelas [flow-through]

12.2. Persistence and degradability

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Persistence and degradability No information available.

12.3. Bioaccumulative potential

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Bioaccumulative potential No information available.

12.4. Mobility in soil

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Ecology - soil No information available.

12.5. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1139 Coating solution (Contains: Methyl ethyl ketone, Heptane, Petroleum Distillates), 3, II
UN-No.(DOT) : UN1139
Proper Shipping Name (DOT) : Coating solution
Contains: Methyl ethyl ketone, Heptane, Petroleum Distillates
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) : II - Medium Danger
Hazard labels (DOT) : 3 - Flammable liquid



DOT Quantity Limitations Passenger aircraft/rail : 5 L
(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L
CFR 175.75)

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Other information : No supplementary information available.

Transportation of Dangerous Goods

Not applicable

Transport by sea (IMDG)

Not applicable

Air transport (IATA)

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

| ECM Industries Liquid Tape Black | |
|---|--|
| All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt | |
| SARA Section 311/312 Hazard Classes | Physical hazard - Flammable liquid Health hazard - Skin Irritation Health hazard - Serious eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Reproductive toxicity Health hazard - Carcinogenicity Health hazard - Aspiration hazard |

| Toluene (108-88-3) | |
|-------------------------------|---------|
| Listed on US SARA Section 313 | |
| CERCLA RQ | 1000 lb |
| Benzene (71-43-2) | |
| Listed on US SARA Section 313 | |
| CERCLA RQ | 10 lb |

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| | |
|---|---------|
| Ethylbenzene (100-41-4) | |
| Listed on US SARA Section 313 | |
| CERCLA RQ | 1000 lb |
| Naphthalene (91-20-3) | |
| Listed on US SARA Section 313 | |
| CERCLA RQ | 100 lb |
| Xylenes (o-, m-, p- isomers) (1330-20-7) | |
| Listed on US SARA Section 313 | |
| CERCLA RQ | 100 lb |
| Cumene (98-82-8) | |
| Listed on US SARA Section 313 | |
| CERCLA RQ | 5000 lb |
| Cyclohexane (110-82-7) | |
| Listed on US SARA Section 313 | |
| CERCLA RQ | 1000 lb |
| Hexane (110-54-3) | |
| Listed on US SARA Section 313 | |
| CERCLA RQ | 5000 lb |
| Isopropyl alcohol (67-63-0) | |
| Listed on US SARA Section 313 | |
| Methyl ethyl ketone (78-93-3) | |
| CERCLA RQ | 5000 lb |

15.2. International regulations

No additional information available

15.3. US State regulations

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

| Component | Carcinogenicity | Developmental toxicity | Reproductive toxicity male | Reproductive toxicity female | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|---|-----------------|------------------------|----------------------------|------------------------------|--|--|
| Toluene(108-88-3) | | X | | | 7000 µg/day | 7000 µg/day |
| Benzene(71-43-2) | X | X | X | | 6.4 µg/day (oral); 13 µg/day (inhalation) | 24 µg/day (oral); 49 µg/day (inhalation) |
| Ethylbenzene(100-41-4) | X | | | | 54 µg/day (inhalation); 41 µg/day (oral) | |
| Naphthalene(91-20-3) | X | | | | 5.8 µg/day | |
| Cumene(98-82-8) | X | | | | | |
| Hexane(110-54-3) | | | X | | | |
| Silica: Crystalline, quartz(14808-60-7) | X | | | | | |
| Carbon black(1333-86-4) | X | | | | | |

ECM Industries® Liquid Tape Black

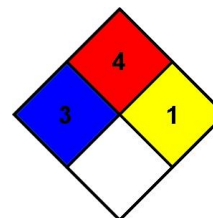
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| Component | State or local regulations |
|---|---|
| Octane(111-65-9) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| n-Heptane(142-82-5) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Toluene(108-88-3) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Benzene(71-43-2) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Ethylbenzene(100-41-4) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Naphthalene(91-20-3) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Xylenes (o-, m-, p- isomers)(1330-20-7) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Cumene(98-82-8) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Cyclohexane(110-82-7) | 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 |
| Hexane(110-54-3) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Isopropyl alcohol(67-63-0) | 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 |
| 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) List |
| Limestone(1317-65-3) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Silica: Crystalline, quartz(14808-60-7) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Stoddard solvent(8052-41-3) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |
| Carbon black(1333-86-4) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances |
| Barium sulfate(7727-43-7) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16: Other information

- Revision date : 01/04/2019
- Other information : Author: TB
- NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.
- NFPA fire hazard : 4 - Materials that rapidly or completely vaporize at atmospheric pressure and normal ambient temperature or that are readily dispersed in air and burn readily.
- NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



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| | |
|--------------------|--|
| HMIS Hazard Rating | |
| Health | : 3* |
| | * - Chronic (long-term) health effects may result from repeated overexposure |
| Flammability | : 4 |
| Physical | : 1 |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product