

CFI 711 Thinner

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: CFI 711 Thinner **Common Name:** Solvent Blend

SDS Number: I11 Revision Date: 5/26/2015

Supplier Details: Coatings For Industry, Inc.

319 Township Line Road Souderton, PA 18964

Emergency: Infotrac

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2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Specific target organ toxicity - Single exposure, 1

Health, Serious Eye Damage/Eye Irritation, 1

Physical, Flammable Liquids, 2 Health, Acute toxicity, 3 Dermal

Health, Acute toxicity, 3 Inhalation

Health, Acute toxicity, 3 Oral

Environmental, Hazards to the aquatic environment - Acute, 2

Health, Skin corrosion/irritation, 2

GHS Label elements, including precautionary statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:









GHS Hazard Statements:

H370 - Causes damage to organs

H318 - Causes serious eye damage

H225 - Highly flammable liquid and vapor

H311 - Toxic in contact with skin

H331 - Toxic if inhaled

H301 - Toxic if swallowed

H401 - Toxic to aquatic life

H315 - Causes skin irritation

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P307+311 - IF exposed: Call a POISON CENTER or doctor/physician.



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Hazards not otherwise classified (HNOC) or not covered by GHS

Inhalation: High concentrations and/or long term exposure may irritate mucous membranes of respiratory tract.

Headaches, dizziness and nausea, as well as unconsciousness may result from overexposure to high

concentrations over extended periods.

Skin Contact: Prolonged and repeated liquid contact can cause defatting and drying of the skin which may result in skin

irritation or dermatitis.

Eye Contact: Vapors and liquids may both cause eye irritation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

4 FIRST AID MEASURES

Inhalation: If breathing difficulties, dizziness, or light-headedness occur when working in areas of high vapor concentration, seek to

get victim to fresh air. If breathing stops, administer artificial respiration, preferably mouth to mouth.

Skin Contact: Immediately flush skin with water. Remove contaminated clothing and shoes. Wash affected areas with soap and

water. Launder clothing before reuse. Get medical attention if irritation persists.

Eye Contact: Immediately flush with large amounts of water for at least 15 minutes lifting upper and lower lids open. Get immediate

medical attention if irritation persists.

Ingestion: Do not induce vomiting. If vomiting spontaneously occurs, keep head below hips to prevent aspiration of liquid into the

lungs. Do not give liquids. Get medical attention immediately.

5 FIRE FIGHTING MEASURES

Flash Point: 25F
Flash Point Method: TCC
LEL: 1.1
UEL: 6.6

Extinguishing Media - Water fog, "alcohol" foam, dry chemical, carbon dioxide.

Special Fire Fighting Procedures and Precautions - Evacuate hazard area of unprotected personnel. Wear proper protective clothing, i.e. bunker coat, helmet and face shield, gloves, rubber boots. Use NIOSH approved self contained breathing apparatus. Use water to cool exposed containers.

Unusual Fire and Explosion Hazards - Vapor is heavier than air and may travel a considerable distance to source of ignition and flashback. Handle as a flammable liquid.

6 ACCIDENTAL RELEASE MEASURES

Warning -FLAMMABLE! Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Prevent liquid from entering sewers, watercourses or low areas. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Large Spills - Evacuate the hazard area of unprotected personnel. Wear appropriate protective equipment. Shut off source of leak. Contain liquid. If vapor cloud forms, water fog may be used to suppress; contain runoff. Remove liquid with vacuum trucks/pumps to storage/salvage containers. Soak up residue with absorbent materials; place in non-leaking containers to await proper disposal. Flush area to remove trace; collect flushings, dispose of properly.



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Small Spills - Take up with an absorbent material and place in non-leaking container; seal tightly and dispose of properly.

Assure conformity with applicable governmental regulations. Continue to observe precautions for volatile, flammable vapors from absorbed material.

7 HANDLING AND STORAGE

Handling Precautions: Danger -- FLAMMABLE!!

Keep liquid and vapor away from heat, sparks and flame. Use spark resistant tools. Ground all equipment. Bond and ground transfer equipment. Do not weld, drill or grind on containers. Empty containers may contain explosive or flammable vapor.

In operations where spilling and splashing occur, use impervious apron and boots to protect body. Eyewash stations and showers should be readily available. Spark resistant tools are recommended.

Wash hands thoroughly with soap and water after handling.

Storage Requirements: Keep containers tightly closed when not in use. Store containers properly. Surfaces that are hot may

ignite liquid material even in absence of spark or flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Provide exhaust ventilation in volume and pattern to keep TLV and explosion limits of hazardous ingredients below acceptable and stated limits.

Personal Protective Equipment:

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Methyl ethyl ketone (78-93-3) [40-50%]: no data available

Propanoic acid, 3-ethoxy-, ethyl ester (763-69-9) [40-50%]: no data available

Xylene (1330-20-7) [5-10%]

Components with workplace control parameters

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1

435 mg/m3 Limits for Air Contaminants



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TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

435 mg/m3 1910.1000

STEL 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

655 mg/m3 1910.1000

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)

434 mg/m3

Not classifiable as a human carcinogen

STEL 150 ppm USA. ACGIH Threshold Limit Values (TLV)

651 mg/m3

Not classifiable as a human carcinogen

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI section) Not classifiable as a human carcinogen

STEL 150 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye & Upper Respiratory Tract irritation Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI section) Not classifiable as a human carcinogen

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1

435 mg/m3 Limits for Air Contaminants

The value in mg/m3 is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

435 mg/m3 1910.1000

STEL 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

655 mg/m3 1910.1000

Ethyl benzene (100-41-4) [1.5-10%]

Components with workplace control parameters

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)

Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans

STEL 125 ppm USA. ACGIH Threshold Limit Values (TLV)

Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans

TWA 100 ppm USA. NIOSH Recommended Exposure Limits

435 mg/m3

ST 125 ppm USA. NIOSH Recommended Exposure Limits

545 mg/m3



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TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1

435 mg/m3 Limits for Air Contaminants

The value in mg/m3 is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

435 mg/m3 1910.1000

STEL 125 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

545 mg/m3 1910.1000

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear / water white

Physical State: Liquid Odor: Strong solvent/ketone odor

Spec Grav./Density: 0.88 Solubility: >10% in water

Boiling Point:175-337FPercent Volatile:100Vapor Pressure:82mm Hg @25CVapor Density:>5

Evap. Rate: <6

10 STABILITY AND REACTIVITY

Stability: Product is stable.

Conditions to Avoid: Keep liquid and vapor away from heat, sparks, and flame. **Materials to Avoid:** Do not mix or store with acids, bases, or other oxidizing materials.

Hazardous Decomposition: CO (Carbon Monoxide), CO2 (Carbon Dioxide), and other unidentified organic compounds may be

formed during combustion.

Hazardous Polymerization: Hazardous polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

Methyl ethyl ketone (78-93-3) [40-50%]

Information on toxicological effects

Acute toxicity: Oral LD50 no data available Inhalation LC50 Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard: no data available

Potential health effects: Inhalation Toxic if inhaled. May cause respiratory tract irritation. Ingestion Toxic if swallowed. Skin Toxic if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Methyl alcohol may be fatal or cause blindness if swallowed., Cannot be made non-poisonous., Effects due to ingestion may include:, Nausea, Dizziness, Gastrointestinal disturbance, Weakness, Confusion., Drowsiness, Unconsciousness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Propanoic acid, 3-ethoxy-, ethyl ester (763-69-9) [40-50%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - male - > 5,000 mg/kg LD50 Oral - rat - female - 4,309 mg/kg Inhalation LC50 LC50 Inhalation - rat - male - 6 h - > 998 ppm Dermal LD50 LD50 Dermal - rabbit - male - 4,080 mg/kg LD50 Dermal - rabbit - female - 4,680 mg/kg

Other information on acute toxicity no data available

Skin corrosion/irritation: Skin - rabbit - No skin irritation - 4 h - OECD Test Guideline 404

Serious eye damage/eye irritation: Eyes - rabbit - No eye irritation - 24 h - OECD Test Guideline 405

Respiratory or skin sensitisation: guinea pig - Does not cause skin sensitisation. - OECD Test Guideline 406

Germ cell mutagenicity: Genotoxicity in vitro - S. typhimurium - with and without metabolic activation - negative

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available



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Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Nausea, Headache, Vomiting, Central nervous system depression, Dizziness

Synergistic effects: no data available

Additional Information:

Repeated dose toxicity - rat - male and female - Oral - No observed adverse effect level - 1,000 mg/kg RTECS: UF3325000

Xylene (1330-20-7) [5-10%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by

NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by

OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin Causes skin irritation. Eyes Causes eye irritation.



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Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Ethyl benzene (100-41-4) [1.5-10%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50

Dermal LD50 LD50 Dermal - rabbit - 15,433 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: Central nervous system depression, Nausea, Headache, Vomiting, Ataxia., Tremors

Synergistic effects: no data available

Additional Information:

RTECS: DA0700000



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ECOLOGICAL INFORMATION

Propanoic acid, 3-ethoxy-, ethyl ester (763-69-9) [40-50%]

Information on ecological effects

Toxicity:

Toxicity to fish static test LC50 - Pimephales promelas (fathead minnow) - 55.3 mg/l - 96 h.

Method: OECD Test Guideline 203

static test LC50 - Pimephales promelas (fathead minnow) - 45.3 mg/l - 96 h

Toxicity to daphnia Immobilization EC50 - Daphnia magna (Water flea) - > 479.7 mg/l - 48 h.

and other aquatic Method: OECD Test Guideline 202 invertebrates Immobilization EC50 - Daphnia magna (Water flea) - 785 mg/l - 48 h

Toxicity to algae Growth inhibition EC50 - Selenastrum capricornutum (green algae) - > 114.86 mg/l - 72 h.

Method: OECD Test Guideline 201

Toxicity to bacteria Growth inhibition IC50 - other microorganisms - > 5,000 mg/l - 16 h.

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

Ethyl benzene (100-41-4) [1.5-10%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Cyprinodon variegatus (sheepshead minnow) - 88.00 mg/l - 96 h.

LC50 - Lepomis macrochirus (Bluegill) - 80.00 mg/l - 96 h

NOEC - Cyprinodon variegatus (sheepshead minnow) - 88 mg/l - 96 h

LC50 - Oncorhynchus mykiss (rainbow trout) - 4.2 mg/l - 96 h

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 2.90 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.



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DISPOSAL CONSIDERATIONS

Waste treatment methods

Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dispose of waste in accordance with federal, state, and local regulations.

Contaminated packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

UN1263, Paint related material including paint thinning, drying, removing, or reducing compound, 3, PGII

REGULATORY INFORMATION 15

Component (CAS#) [%] - CODES

RQ(5000LBS), Methyl ethyl ketone (78-93-3) [40-50%] CERCLA, HAP, HWRCRA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

Propanoic acid, 3-ethoxy-, ethyl ester (763-69-9) [40-50%] TSCA

RQ(100LBS), Xvlene (1330-20-7) [5-10%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

Ethyl benzene (100-41-4) [1.5-10%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL. SARA313, TOXICPOL, TSCA, TXAIR

Regulatory CODE Descriptions

RQ = Reportable Quantity

CERCLA = Superfund clean up substance

HAP = Hazardous Air Pollutants

HWRCRA = RCRA Hazardous Wastes

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants PA = PA Right-To-Know List of Hazardous Substances

SARA313 = SARA 313 Title III Toxic Chemicals

TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

TXHWL = TX Hazardous Waste List

CSWHS = Clean Water Act Hazardous substances

EPCRAWPC = EPCRA Water Priority Chemicals

PRIPOL = Clean Water Act Priority Pollutants

TOXICPOL = Clean Water Act Toxic Pollutants



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16 OTHER INFORMATION

NOTICE: This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is express or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material, such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.