PDC® F-874 MURACULON [low voc] CLEAR

Safety Data Sheet

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

Issue date: 10/26/2015 Revision date: 08/13/2024 Version: 3.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : PDC® F-874 MURACULON [low voc] CLEAR

Product code : F87410509, F87415409

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Coating

1.3. Supplier

Plasti Dip International, Inc.
3920 Pheasant Ridge Drive
Blaine, MN 55449
Phone - (763) 785-2156

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 2 H373
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 vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs 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.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear eye protection, protective clothing, protective gloves.
P301+P310 - IF SWALLOWED: Immediately call a doctor, a poison center
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 doctor, a poison center if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use Carbon dioxide (CO2), dry extinguishing powder, 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	%
Acetone	(CAS-No.) 67-64-1	30 – 60
Methyl ethyl ketone	(CAS-No.) 78-93-3	7 – 13
Toluene	(CAS-No.) 108-88-3	7 – 13
Xylene	(CAS-No.) 1330-20-7	1 – 5
Polyvinyl chloride	(CAS-No.) 9002-86-2	1 – 5
Ethylbenzene	(CAS-No.) 100-41-4	0.1 – 1

***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 difficult, supply oxygen. If breathing has stopped, give artificial respiration.

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 immediately.

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. Suspected of damaging fertility. Suspected of damaging the unborn child. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Symptoms/effects after inhalation : May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.

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

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	:	Carbon dioxide. Dry powder. Foam. Water spray. Sand.

5.2. Specific hazards arising from the chemical

Fire hazard	:	Highly flammable liquid and vapor.
Explosion hazard	:	Heating may cause an explosion.
Reactivity	:	No dangerous reactions known under normal conditions of use.

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.
Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see item 8).

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	:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Exclude sources of ignition and ventilate the area. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

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. 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.
Storage temperature	:	< 49 °C (<120 °F)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Acetone (67-64-1)		
ACGIH	ACGIH OEL TWA [ppm]	250 ppm
ACGIH	ACGIH OEL STEL [ppm]	500 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH	Regulatory reference	ACGIH 2023
OSHA	OSHA PEL (TWA) [1]	2400 mg/m³
OSHA	OSHA PEL (TWA) [2]	1000 ppm
OSHA	OSHA PEL (STEL) [1]	2400 mg/m³ (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors)
OSHA	OSHA PEL (STEL) [2]	1000 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
IDLH	IDLH [ppm]	2500 ppm (10% LEL)
NIOSH	NIOSH REL (TWA)	590 mg/m³
NIOSH	NIOSH REL TWA [ppm]	250 ppm

Toluene (108-88-3)		
ACGIH	ACGIH OEL TWA [ppm]	20 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: CNS, visual & hearing impair; female repro system eff; pregnancy loss. Notations: OTO; A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH	Regulatory reference	ACGIH 2024
OSHA	OSHA PEL (TWA) [2]	200 ppm
OSHA	OSHA PEL C [ppm]	300 ppm (500 ppm Peak [10 minutes])
OSHA	Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift	500 ppm 10 mins.
OSHA	Remark (OSHA)	(2) See Table Z-2.
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-2
IDLH	IDLH [ppm]	500 ppm
NIOSH	NIOSH REL (TWA)	375 mg/m³
NIOSH	NIOSH REL TWA [ppm]	100 ppm
NIOSH	NIOSH REL (STEL)	560 mg/m³
NIOSH	NIOSH REL STEL [ppm]	150 ppm

Ethylbenzene (100-41-4)		
ACGIH	ACGIH OEL TWA [ppm]	20 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH	Regulatory reference	ACGIH 2023
OSHA	OSHA PEL (TWA) [1]	435 mg/m³
OSHA	OSHA PEL (TWA) [2]	100 ppm
OSHA	OSHA PEL (STEL) [1]	545 mg/m³

Ethylbenzene (100-41-4)		
OSHA	OSHA PEL (STEL) [2]	125 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
IDLH	IDLH [ppm]	800 ppm (10% LEL)
NIOSH	NIOSH REL (TWA)	435 mg/m³
NIOSH	NIOSH REL TWA [ppm]	100 ppm
NIOSH	NIOSH REL (STEL)	545 mg/m³
NIOSH	NIOSH REL STEL [ppm]	125 ppm

Polyvinyl chloride (9002-86-2)		
ACGIH	ACGIH OEL TWA	1 mg/m³ (respirable fraction)
ACGIH	Remark (ACGIH)	TLV® Basis: Pneumoconiosis; LRT irr; pulm func changes. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2023

Methyl ethyl ketone (78-93-3)		
ACGIH	ACGIH OEL TWA [ppm]	200 ppm
ACGIH	ACGIH OEL STEL [ppm]	300 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Embryo/fetal dam; URT irr; headache; dizziness. Notations: Skin; BEI
ACGIH	Regulatory reference	ACGIH 2024
OSHA	OSHA PEL (TWA) [1]	590 mg/m³
OSHA	OSHA PEL (TWA) [2]	200 ppm
OSHA	OSHA PEL (STEL) [1]	885 mg/m³
OSHA	OSHA PEL (STEL) [2]	300 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
IDLH	IDLH [ppm]	3000 ppm
NIOSH	NIOSH REL (TWA)	590 mg/m³
NIOSH	NIOSH REL TWA [ppm]	200 ppm
NIOSH	NIOSH REL (STEL)	885 mg/m³
NIOSH	NIOSH REL STEL [ppm]	300 ppm

Xylene (1330-20-7)		
ACGIH	ACGIH OEL TWA	221 mg/m³
ACGIH	ACGIH OEL TWA [ppm]	50 ppm
ACGIH	ACGIH OEL STEL	442 mg/m³
ACGIH	ACGIH OEL STEL [ppm]	100 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH	Regulatory reference	ACGIH 2023
OSHA	OSHA PEL (TWA) [1]	435 mg/m³
OSHA	OSHA PEL (TWA) [2]	100 ppm
OSHA	OSHA PEL (STEL) [1]	655 mg/m³
OSHA	OSHA PEL (STEL) [2]	150 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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. Protective clothing. Dust/aerosol mask.

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. Change contaminated gloves immediately. 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	:	Clear
Odor	:	Characteristic Solvent
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	-20 °C (-4 °F) (Acetone value)
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/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

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Hydrogen Chloride. Organic hydrocarbons.

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

Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 15700 mg/kg
LD50 dermal rabbit	> 15700 mg/kg (Source: OECD_SIDS)
LC50 Inhalation - Rat	50100 mg/m³ (Exposure time: 8 h Source: OECD_SIDS)

Toluene (108-88-3)	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	5000 mg/kg
LC50 Inhalation - Rat	384 mg/m³

Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 Inhalation - Rat	17.2 mg/l/4h
LC50 Inhalation - Rat [ppm]	4000 ppm Source: ECHA, Harmonized classification of EU CLP

Polyvinyl chloride (9002-86-2)	
LD50 oral rat	500 mg/kg (Source: NLM_HSDB)

Methyl ethyl ketone (78-93-3)	
LD50 oral rat	2483 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	5000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat [ppm]	11700 ppm/4h

Xylene (1330-20-7)	
LD50 oral rat	3523 mg/kg
LD50 dermal rabbit	12126 mg/kg body weight Animal: rabbit, Animal sex: male, Remarks on results: other:
LC50 Inhalation - Rat	27124 mg/m³ (air)
LC50 Inhalation - Rat [ppm]	5922 ppm

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.

Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Toluene (108-88-3)	
LOAEL (oral,rat,90 days)	1250 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral,rat,90 days)	625 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation,rat,vapor,90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

Ethylbenzene (100-41-4)	
NOAEL (oral,rat,90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)

Xylene (1330-20-7)	
LOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)

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. Suspected of damaging fertility. Suspected of damaging the unborn child. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Symptoms/effects after inhalation : May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

Chronic symptoms : Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional 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.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description (DOT)	:	UN1139 Coating solution, 3, II
UN-No.(DOT)	:	UN1139
Proper Shipping Name (DOT)	:	Coating solution
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 (49 CFR 173.27)	:	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60 L
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

Transport document description (TDG)	:	UN1139 COATING SOLUTION, 3, II
UN-No. (TDG)	:	UN1139
Proper Shipping Name (TDG)	:	COATING SOLUTION
TDG Primary Hazard Classes	:	3 - Class 3 - Flammable Liquids
Packing group (TDG)	:	II - Medium Danger
Explosive Limit and Limited Quantity Index	:	5 L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	5 L

Transport by sea (IMDG)

Transport document description (IMDG)	:	UN 1139 COATING SOLUTION, 3, II
UN-No. (IMDG)	:	1139
Proper Shipping Name (IMDG)	:	COATING SOLUTION
Class (IMDG)	:	3 - Flammable liquids
Packing group (IMDG)	:	II - substances presenting medium danger
Limited quantities (IMDG)	:	5 L

Air transport (IATA)

Transport document description (IATA)	:	UN 1139 Coating solution, 3, II
UN-No. (IATA)	:	1139
Proper Shipping Name (IATA)	:	Coating solution
Class (IATA)	:	3 - Flammable Liquids
Packing group (IATA)	:	II - Medium danger

SECTION 15: Regulatory information

15.1. US Federal regulations

PDC® F-874 MURACULON [low voc] CLEAR	
All chemical substances in this product are listed as “Active” in the EPA (Environmental Protection Agency) “TSCA Inventory Notification (Active-Inactive) Requirements Rule” (“the Final Rule”) of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA	
SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Aspiration hazard Health hazard - Carcinogenicity Health hazard - Reproductive toxicity Health hazard - Serious eye damage or eye irritation Health hazard - Skin corrosion or Irritation Health hazard - Specific target organ toxicity (single or repeated exposure)

Acetone (67-64-1)	
CERCLA RQ	5000 lb

Toluene (108-88-3)	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb

Ethylbenzene (100-41-4)	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb

Polyvinyl chloride (9002-86-2)	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Methyl ethyl ketone (78-93-3)	
Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	5000 lb

Xylene (1330-20-7)	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	100 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)
Benzene (71-43-2)	X	X	X		6.4 µg/day (oral); 13 µg/day (inhalation)	24 µg/day (oral); 49 µg/day (inhalation)
Methyl alcohol (67-56-1)		X				47000 µg/day (inhalation); 23,000 µg/day (oral)
Toluene (108-88-3)		X				7000 µg/day
Ethylbenzene (100-41-4)	X				54 µg/day (inhalation); 41 µg/day (oral)	
Cumene (98-82-8)	X					
Vinyl chloride (75-01-4)	X				3 µg/day	

Component	State or local regulations
Acetone (67-64-1)	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) - Environmental Hazard List
Benzene (71-43-2)	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
Methyl alcohol (67-56-1)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Massachusetts - 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; U.S. - Massachusetts - 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; U.S. - Massachusetts - 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; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
Silica, amorphous (7631-86-9)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Vinyl acetate (108-05-4)	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
Vinyl chloride (75-01-4)	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
Propionaldehyde (123-38-6)	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
Polyvinyl chloride (9002-86-2)	U.S. - New Jersey - Right to Know Hazardous Substance List
Silica, amorphous, precipitated and gel (112926-00-8)	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
Xylene (1330-20-7)	U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - 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

SECTION 16: Other information

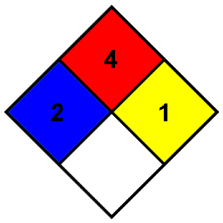
Revision date : 08/13/2024

Other information : Author: WJS.

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual 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.



HMIS Hazard Rating

Health : 2*

* - 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.