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#### **1** Identification

- Product identifier
- · Trade name: Prostaglandin E1
- · Article number: 13010
- CAS Number: 745-65-3
- EC number:
- 212-017-2
- **Application of the substance / the mixture** This product is for research use - Not for human or veterinary diagnostic or therapeutic use.
- Details of the supplier of the safety data sheet
   Manufacturer/Supplier: Cayman Chemical Co.
   1180 E. Ellsworth Rd. Ann Arbor, MI 48108 USA
- · Information department: Product safety department

Emergency telephone number: During normal opening times: +1 (734) 971-3335 US/CANADA: 800-424-9300 Outside US/CANADA: 703-741-5970

## 2 Hazard(s) identification

#### · Classification of the substance or mixture

GHS06 Skull and crossbones

Acute Toxicity - Oral 3 H301 Toxic if swallowed.

GHS08 Health hazard

Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn child.

#### · Label elements

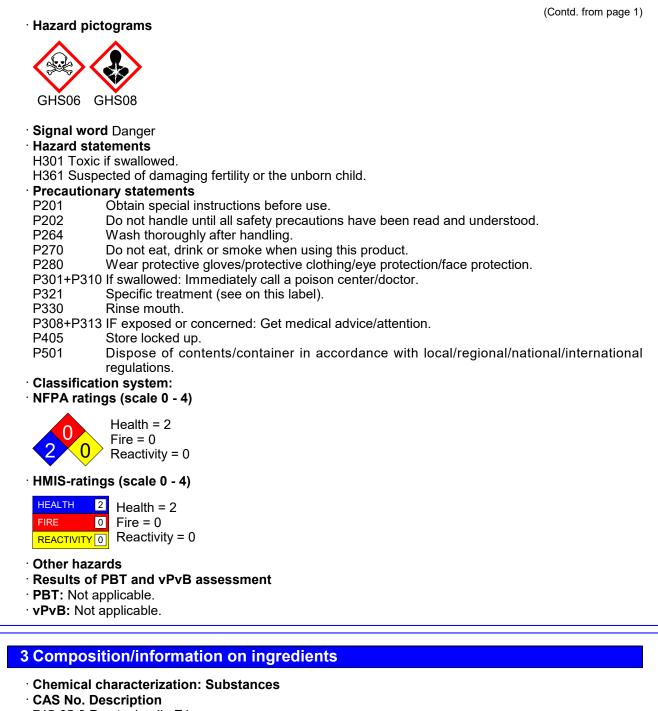
#### · GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

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- 745-65-3 Prostaglandin E1
- · Identification number(s)
- EC number: 212-017-2

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### **4 First-aid measures**

- Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

- In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

### **5 Fire-fighting measures**

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment. A solid water stream may be inefficient.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

#### **6 Accidental release measures**

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
   Dispose contaminated material as waste according to section
- Dispose contaminated material as waste according to section 13.
- **Reference to other sections** See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.
- Protective Action Criteria for Chemicals
- · PAC-1: Substance is not listed.
- · PAC-2: Substance is not listed.
- · PAC-3: Substance is not listed.

#### 7 Handling and storage

- · Handling:
- · Precautions for safe handling Thorough dedusting.
- · Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities Keep container tightly closed.

Store in accordance with information listed on the product insert.

• **Storage:** Store in accordance with information listed on the product insert.

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- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

- · Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- · Personal protective equipment:
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.
- · Breathing equipment: Not required.
- Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection: Not required.

Information on basic physical and General Information	chemical properties	
· Appearance: Form:	Solid	
Color:	Not determined.	
Odor:	Characteristic	
Structural Formula	C20H34O5	
Molecular Weight	354.5 g/mol	
Odor threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	

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· Flammability (solid, gaseous):	Product is not flammable.
· Decomposition temperature:	Not determined.
· Ignition temperature:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not applicable.
· Density:	Not determined.
Relative density	Not determined.
<ul> <li>Vapor density</li> </ul>	Not applicable.
· Evaporation rate	Not applicable.
<ul> <li>Solubility in / Miscibility with</li> </ul>	
Water:	Not determined.
· Partition coefficient (n-octanol/wat	er): Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
SOLUBILITY	DMF: 100 mg/ml; DMSO: 50 mg/ml; Ethanol: 50 mg/ml; PBS
	(pH 7.2): 0.5 mg/ml
· Other information	No further relevant information available.

## **10 Stability and reactivity**

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · **Incompatible materials:** strong oxidiziing agents
- · Hazardous decomposition products: carbon oxides

## **11 Toxicological information**

- · RTECS Number GY4569800
- · Information on toxicological effects
- · Acute toxicity:

· LD/L	· LD/LC50 values that are relevant for classification:		
Oral	LD50	186 mg/kg (mouse)	
		228 mg/kg (rat)	
	Intraperitoneal LD50	24,900 μg/kg (rat)	
	Intraperitoneal LD50	19,800 μg/kg (mouse)	
	Subcutaneous LD50	26,400 μg/kg (mouse)	
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Subcutaneous LD50 18.6 mg/kg (rat)

- · Primary irritant effect:
- · on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) Substance is not listed.
- · NTP (National Toxicology Program) Substance is not listed.
- · OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

#### **12 Ecological information**

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

### **13 Disposal considerations**

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- **Recommendation:** Disposal must be made according to official regulations.

· UN-Number	
· DOT, IMDG, IATA	UN2811
· UN proper shipping name	
DOT	Toxic solids, organic, n.o.s. (Prostaglandin E1)
·IMDG	TOXIC SOLID, ORGANIC, N.O.S. (Prostaglandin E1
·IATA	Toxic solid, organic, n.o.s. (Prostaglandin Ĕ1)

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	(Contd. from page 6
Transport hazard class(es)	
DOT	
Toxic	
6	
Class	6.1 Toxic substances
Label	6.1
IMDG, IATA	
Class	6.1 Toxic substances
Label	6.1
Packing group	
DOT, IMDG, IATA	
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Toxic substances
Hazard identification number (Kemler code EMS Number:	
Stowage Category	F-A,S-A A
Transport in bulk according to Annex II of	
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 100 kg
	On cargo aircraft only: 200 kg
IMDG	
Limited quantities (LQ)	5 kg Cada: E1
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
ΙΑΤΑ	
Remarks:	When sold in quantities of less than or equal to 1 mL
	or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis
	Quantities exemption, per IATA 2.6.10.
	Therefore packaging does not have to be labeled as
	Dangerous Goods/Excepted Quantity.
UN "Model Regulation":	UN 2811 TOXIC SOLID, ORGANIC, N.O.S (PROSTAGLANDIN E1), 6.1, III

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### **15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · Sara
- · Section 355 (extremely hazardous substances): Substance is not listed.
- · Section 313 (Specific toxic chemical listings): Substance is not listed.
- TSCA (Toxic Substances Control Act): Substance is not listed.
- · Hazardous Air Pollutants Substance is not listed.
- · Proposition 65
- · Chemicals known to cause cancer: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- · Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) Substance is not listed.
- · TLV (Threshold Limit Value) Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **16 Other information**

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy of the information contained herein.

· Department issuing SDS: Environment protection department.

- · Contact: -
- Date of preparation / last revision 07/12/2023 · Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit **REL: Recommended Exposure Limit** Acute Toxicity - Oral 3: Acute toxicity - Category 3 Toxic to Reproduction 2: Reproductive toxicity - Category 2 \* \* Data compared to the previous version altered.



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#### **1** Identification

- · Product identifier
- · Trade name: Prostaglandin E1-d4
- Article number: 313010
- **Application of the substance / the mixture** This product is for research use - Not for human or veterinary diagnostic or therapeutic use.
- · Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:** Cayman Chemical Co. 1180 E. Ellsworth Rd. Ann Arbor, MI 48108 USA
- Information department: Product safety department
   Emergency telephone number: During normal opening times: +1 (734) 971-3335 US/CANADA: 800-424-9300 Outside US/CANADA: 703-741-5970

## 2 Hazard(s) identification

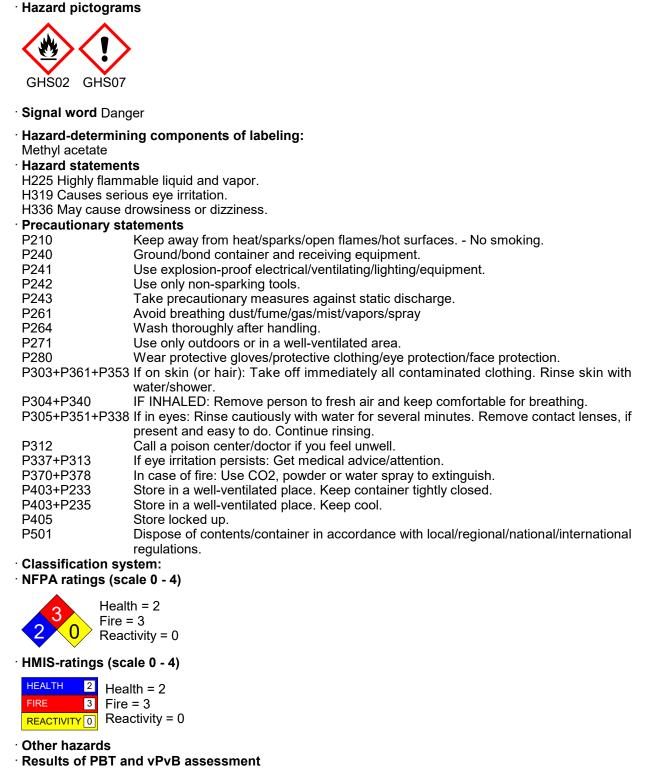
Classification of the substance or mixture GHS02 Flame	
Flammable Liquids 2	H225 Highly flammable liquid and vapor.
GHS07 Eye Irritation 2A	H319 Causes serious eye irritation.
Specific Target Organ Toxicity - Single Exposure 3	3 H336 May cause drowsiness or dizziness.
<ul> <li>Label elements</li> <li>GHS label elements</li> <li>The product is classified and labeled according to</li> </ul>	the Globally Harmonized System (GHS). (Contd. on page 2)

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PBT: Not applicable.

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99.95%

0.05%

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· vPvB: Not applicable.

### **3 Composition/information on ingredients**

#### · Chemical characterization: Mixtures

• Description: Mixture of the substances listed below with nonhazardous additions.

#### · Dangerous components:

CAS: 79-20-9 Methyl acetate RTECS: Al9100000

#### Other ingredients

211105-33-8 Prostaglandin E1-d4

## **4 First-aid measures**

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water.
- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing: If symptoms persist consult doctor.

- · Information for doctor:
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

## **5 Fire-fighting measures**

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.

• Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

• **Reference to other sections** See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information. • <b>Protective Action Criteria for Chemicals</b>	(Contd. from page 3)
· PAC-1:	
79-20-9 Methyl acetate	250 ppm
· PAC-2:	
79-20-9 Methyl acetate	1,700 ppm
· PAC-3:	
79-20-9 Methyl acetate	10000* ppm

## 7 Handling and storage

#### · Handling:

- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
   Protect against electrostatic charges.
- · Conditions for safe storage, including any incompatibilities
- Storage: Store in accordance with information listed on the product insert.
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters

· Components with limit values that require monitoring at the workplace:

### 79-20-9 Methyl acetate

- PEL Long-term value: 610 mg/m<sup>3</sup>, 200 ppm
- REL Short-term value: 760 mg/m<sup>3</sup>, 250 ppm Long-term value: 610 mg/m<sup>3</sup>, 200 ppm
- TLV Short-term value: 250 ppm Long-term value: 200 ppm

• Additional information: The lists that were valid during the creation were used as basis.

- · Exposure controls
- Personal protective equipment:
- · General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.

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#### · Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

### Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

### 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

· General Information

Ap	n	۵a	ra	n	c	Δ	•	
h	Υ	cu	iu			5	•	

· Appearance:		
Form:	Liquid	
Color:	According to product specification	
· Odor:	Pleasant	
• Structural Formula	C20H30D4O5	
• Molecular Weight	358.5 g/mol	
· Odor threshold:	Not determined.	
· pH-value:	Not determined.	
• Change in condition		
Melting point/Melting range:	-98.05 °C (-144.5 °F)	
Boiling point/Boiling range:	57 °C (134.6 °F)	
· Flash point:	-13 °C (8.6 °F)	
· Flammability (solid, gaseous):	Highly flammable.	
· Ignition temperature:	455 °C (851 °F)	
· Decomposition temperature:	Not determined.	
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· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air vapor mixtures are possible.
· Explosion limits:	
Lower:	3.1 Vol %
Upper:	16 Vol %
<sup>.</sup> Vapor pressure at 20 °C (68 °F):	220 hPa (165 mm Hg)
<sup>·</sup> Density at 20 °C (68 °F):	0.93 g/cm³ (7.76085 lbs/gal)
· Bulk density:	1 kg/m³
Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
<ul> <li>Solubility in / Miscibility with</li> <li>Water at 20 °C (68 °F):</li> </ul>	330 g/l
· Partition coefficient (n-octanol/wat	er): Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
SOLUBILITY	DMF: >100 mg/ml; DMSO: >50 mg/ml; Ethanol: >50 mg/ml
	PBS pH 7.2: >1.6 mg/ml
· Solvent content:	
Organic solvents:	100.0 %
VOC content:	0.00 %
	0.0 g/l / 0.00 lb/gal
Solids content:	0.0 %
· Other information	No further relevant information available.

## **10 Stability and reactivity**

· Reactivity No further relevant information available.

- · Chemical stability
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- · Incompatible materials: strong oxidizing agents
- · Hazardous decomposition products: carbon dioxide, carbon monoxide

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		r classification:
79-20-9 Methyl a Oral	LD50	>5,000 mg/kg (rat)
Orai	LDOU	3,705 mg/kg (rabbit)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	TCLO	15,000 mg/m <sup>3</sup> (hmn)
Irritation of skin		500 mg/24h (rabbit)
	Irritation	40 mg/kg/24h (rabbit)
Irritation of eyes	Irritation	100 mg/24h (rabbit)
-	Intraperitoneal LD50	70 mg/kg (mouse)
on the eye: Irrita Sensitization: N Additional toxic The product sho	lo sensitizing effects k cological information	
on the eye: Irrita Sensitization: N Additional toxic	ating effect. Io sensitizing effects k cological information	<b>:</b>
on the eye: Irrita Sensitization: N Additional toxic The product sho preparations: Irritant Carcinogenic ca	ating effect. Io sensitizing effects k cological information ows the following dar ategories	ngers according to internally approved calculation methods f
on the eye: Irrita Sensitization: N Additional toxic The product sho preparations: Irritant Carcinogenic ca IARC (Internatio	ating effect. lo sensitizing effects k cological information ows the following dar ategories onal Agency for Rese	ngers according to internally approved calculation methods f
on the eye: Irrita Sensitization: N Additional toxic The product sho preparations: Irritant Carcinogenic ca IARC (Internatic None of the ingre	ating effect. To sensitizing effects k cological information ows the following dar ategories onal Agency for Rese edients is listed.	ngers according to internally approved calculation methods f earch on Cancer)
on the eye: Irrita Sensitization: N Additional toxic The product sho preparations: Irritant Carcinogenic ca IARC (Internatio None of the ingre	ating effect. To sensitizing effects k cological information ows the following dar ategories onal Agency for Rese edients is listed.	ngers according to internally approved calculation methods f earch on Cancer)
on the eye: Irrita Sensitization: N Additional toxic The product sho preparations: Irritant Carcinogenic ca IARC (Internatic None of the ingre NTP (National T None of the ingre	ating effect. To sensitizing effects k cological information ows the following dar ategories onal Agency for Rese edients is listed. Toxicology Program) edients is listed.	ngers according to internally approved calculation methods f earch on Cancer)
on the eye: Irrita Sensitization: N Additional toxic The product sho preparations: Irritant Carcinogenic ca IARC (Internatic None of the ingre NTP (National T None of the ingre	ating effect. To sensitizing effects k cological information ows the following dar ategories onal Agency for Rese edients is listed. Toxicology Program) edients is listed. upational Safety & He	ngers according to internally approved calculation methods f earch on Cancer)

- · Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:
- Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· Other adverse effects No further relevant information available.

## **13 Disposal considerations**

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• **Recommendation:** Disposal must be made according to official regulations.

UN-Number	
DOT, IMDG, IATA	UN1231
UN proper shipping name	
DOT, IATA	Methyl acetate
IMDG	METHYL ACETATE
Transport hazard class(es)	
DOT	
3	
	2 Elemmoble liquide
Class Label	3 Flammable liquids 3
IMDG, IATA	• •
Class	3 Flammable liquids
Label	3
Packing group	
DOT, IMDG, IATA	Ш
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Flammable liquids
Hazard identification number (Kemler code):	
EMS Number:	F-E,S-D
Stowage Category	В
Transport in bulk according to Annex II of	
MARPOL73/78 and the IBC Code	Not applicable.

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· Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
·IMDG	
<ul> <li>Limited quantities (LQ)</li> </ul>	1L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
ΙΑΤΑ	
Remarks:	When sold in quantities of less than or equal to 1 mL or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimi Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled a Dangerous Goods/Excepted Quantity.
UN "Model Regulation":	UN 1231 METHYL ACETATE, 3, II

## **15 Regulatory information**

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

• Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

79-20-9 Methyl acetate

ACTIVE

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

#### · Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

(Contd. on page 10)

US

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Revision date 02/14/2023

Trade name: Prostaglandin E1-d4

(Contd. from page 9)

TLV (Threshold Limit Value)

None of the ingredients is listed.

### · NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **16 Other information**

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy of the information contained herein.

- · Department issuing SDS: Environment protection department.
- · Contact: -
- · Date of preparation / last revision 02/14/2023

 Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit **REL: Recommended Exposure Limit** Flammable Liquids 2: Flammable liquids - Category 2 Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Category 3 \* \* Data compared to the previous version altered.

US -