SAFETY DATA SHEET

Eastman(TM) n-Propyl Propionate

Version 1.1  Revision Date: 10/08/2020  SDS Number: 150000065273  Date of last issue: -
PRD  SDSUS / Z8 / 0001  Date of first issue: 09/06/2016

SECTION 1. IDENTIFICATION

Product name : Eastman(TM) n-Propyl Propionate
Product code : 20990-00, P2099000, P2099001, P2099002, P2099003, P2099004

Manufacturer or supplier's details
Company name of supplier : Eastman Chemical Company
Address : 200 South Wilcox Drive
          Kingsport TN 37660-5280
Telephone : (423) 229-2000
Emergency telephone : CHEMTREC: +1-800-424-9300, +1-703-527-3887 CCN7321

Recommended use of the chemical and restrictions on use
Recommended use : Coatings
Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200
Flammable liquids : Category 3
Acute toxicity (Inhalation) : Category 4

GHS label elements
Hazard pictograms : ![Flammable](image-url) ![Health](image-url)

Signal Word : Warning
Hazard Statements : H226 Flammable liquid and vapor.
                   H332 Harmful if inhaled.

Precautionary Statements : Prevention:
                          P210 Keep away from heat/ sparks/ open flames/ hot surfaces.
                          No smoking.
                          P233 Keep container tightly closed.
                          P240 Ground/bond container and receiving equipment.
                          P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
SAFETY DATA SHEET

Eastman(TM) n-Propyl Propionate

P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>propyl propionate</td>
<td>106-36-5</td>
<td>100</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

If inhaled: Move to fresh air.
Treat symptomatically.
Get medical attention if symptoms occur.

In case of skin contact: Wash off with soap and water.
Get medical attention if symptoms occur.

In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If easy to do, remove contact lens, if worn.
Get medical attention if symptoms occur.

If swallowed: Seek medical advice.

Most important symptoms and effects, both acute and delayed: Harmful if inhaled.

Notes to physician: Treat symptomatically.
SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
- Water spray
- Dry chemical
- Carbon dioxide (CO2)
- Foam

Unsuitable extinguishing media:
None known.

Specific hazards during fire fighting:
- Vapors are heavier than air and may spread along floors.
- Prevent buildup of vapors or gases to explosive concentrations.

Hazardous combustion products:
No hazardous combustion products are known

Further information:
- Flammable liquid and vapor.
- Material will float and may ignite on surface of water.

Special protective equipment for fire-fighters:
- Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
- Wear appropriate personal protective equipment.
- Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions:
- Avoid release to the environment.

Methods and materials for containment and cleaning up:
- Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion:
- Keep away from heat and sources of ignition.

Advice on safe handling:
- Do not taste or swallow.
- Wash thoroughly after handling.

Conditions for safe storage:
- Keep container tightly closed and in a well-ventilated place.
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.

Engineering measures : Ensure adequate ventilation.

Personal protective equipment
Respiratory protection : If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hand protection

Remarks : Wear suitable gloves.

Eye protection : Safety glasses

Protective measures : Wear suitable protective equipment.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : colorless

Odor : ester-like

Odor Threshold : not determined

pH : not determined

Melting point/range : -105 °F / -76 °C

Boiling point/boiling range : 253 °F / 123 °C

Flash point : 72 °F / 22 °C

Method: Seta closed cup

Evaporation rate : 1.20

Upper explosion limit / Upper flammability limit : not determined
Lower explosion limit / Lower flammability limit : not determined

Vapor pressure : 13.33 hPa (68 °F / 20 °C)

Relative vapor density : not determined

Relative density : 0.88 (68 °F / 20 °C)

Solubility(ies)
   Water solubility : slightly soluble

Partition coefficient: n-octanol/water : No data available

Autoignition temperature : not determined

Decomposition temperature : Method: DSC
   No exotherm

Viscosity
   Viscosity, dynamic : 0.69 mPa.s (68 °F / 20 °C)
   Viscosity, kinematic : 0.78 mm²/s (68 °F / 20 °C)

Explosive properties : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : None known.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : None known.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon dioxide (CO2)
   Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
   Harmful if inhaled.

Product:
Acute oral toxicity : Remarks: No data available
Acute inhalation toxicity : Remarks: No data available
Acute dermal toxicity : Remarks: No data available

Components:
propyl propionate:
Acute oral toxicity : LD50 Oral (Rat): 10,331 mg/kg
LD50 Oral (Rabbit): 3,950 mg/kg
Acute dermal toxicity : LD50 Dermal (Rabbit): > 14,128 mg/kg

Skin corrosion/irritation
Not classified based on available information.

Product:
Remarks : No data available

Serious eye damage/eye irritation
Not classified based on available information.

Product:
Remarks : No data available

Respiratory or skin sensitization

Skin sensitization
Not classified based on available information.

Respiratory sensitization
Not classified based on available information.

Product:
Remarks : No data available

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Product:
Remarks : This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

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

OSHA
No component of this product present at levels greater than or equal to 0.1% is
NTP

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

Reproductive toxicity

Not classified based on available information.

Product:

Effects on fertility : Remarks: No data available

STOT-single exposure

Not classified based on available information.

Product:

Remarks : No data available

STOT-repeated exposure

Not classified based on available information.

Product:

Remarks : No data available

Aspiration toxicity

Not classified based on available information.

Product:

No data available

Information on likely routes of exposure

Product:

Inhalation : Remarks: Harmful if inhaled.

Skin contact : Remarks: None known.

Eye contact : Remarks: None known.

Ingestion : Remarks: None known.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available
Mobility in soil
No data available

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR
UN/ID No. : UN 3272
Proper shipping name : Esters, n.o.s.
                       (Propyl propionate)
Class : 3
Packing group : II
Labels : Flammable Liquids
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353

IMDG-Code
UN number : UN 3272
Proper shipping name : ESTERS, N.O.S.
                       (Propyl propionate)
Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Domestic regulation

49 CFR
UN/ID/NA number : UN 3272
Proper shipping name : Esters, n.o.s.
                       (Propyl propionate)
Class : 3
Packing group : II
Labels : FLAMMABLE LIQUID
ERG Code : 127
Marine pollutant : no
Special precautions for user
The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Fire Hazard
                                    Acute Health Hazard

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:
TCSI  : On the inventory, or in compliance with the inventory
TSCA  : All substances listed as active on the TSCA inventory
AICS  : On the inventory, or in compliance with the inventory
DSL   : All components of this product are on the Canadian DSL
ENCS  : On the inventory, or in compliance with the inventory
ISHL  : On the inventory, or in compliance with the inventory
KECI  : On the inventory, or in compliance with the inventory
PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory
NZIoC : On the inventory, or in compliance with the inventory

TSCA list
No substances are subject to a Significant New Use Rule.
No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Instability</th>
<th>Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

HMIS® IV:

HEALTH / 1

FLAMMABILITY 3

PHYSICAL HAZARD 0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50% of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office
SAFETY DATA SHEET

Eastman(TM) n-Propyl Propionate

Version 1.1  
Revision Date: 10/08/2020  
SDS Number: 150000065273  
Date of last issue: -  
Date of first issue: 09/06/2016

of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 10/08/2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / Z8