

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

SECTION 1. IDENTIFICATION

Product name : Eastek(TM) 1200 Polymer Dispersion

Product code : P3112503

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 : Ink.

Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Flammable liquids : Category 4

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H227 Combustible liquid.
H318 Causes serious eye damage.

Precautionary Statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces.
No smoking.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

CENTER/doctor.

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**Ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
Water	7732-18-5	65 - 70
polyester	not assigned	25 - 30
propan-1-ol; n-propanol	71-23-8	< 4
additive(s)	mixture; not applicable	< 1

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 case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical advice/ attention.
If swallowed	: Seek medical advice.
Most important symptoms and effects, both acute and delayed	: Causes serious eye damage.
Notes to physician	: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray to extinguish.
Dry chemical
Carbon dioxide (CO2)
Foam

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : None known.

Hazardous combustion products : No hazardous combustion products are known

Further information : Combustible liquid and vapor.

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).
Prevent runoff from entering drains, sewers, or streams.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : None known.

Advice on safe handling : Avoid contact with eyes.
Wash thoroughly after handling.

Conditions for safe storage : Keep container tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propan-1-ol; n-propanol	71-23-8	TWA	100 ppm	ACGIH
		TWA	200 ppm 500 mg/m3	NIOSH REL
		ST	250 ppm 625 mg/m3	NIOSH REL
		TWA	200 ppm	OSHA Z-1

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

			500 mg/m3	
		STEL	250 ppm 625 mg/m3	OSHA P0
		TWA	200 ppm 500 mg/m3	OSHA P0

Engineering measures : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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.

Eye protection : Wear safety glasses with side shields (or goggles).

Protective measures : Wear full protective clothing and self-contained breathing apparatus.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : off-white

Odor : odorless

Odor Threshold : 2.6 ppm

pH : not determined

Melting point/range : not determined
: > 99 °C

Flash point : 67 °C
Method: Seta closed cup

Evaporation rate : not determined

Upper explosion limit : not determined

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

Lower explosion limit	:	not determined
Vapor pressure	:	not determined
Relative vapor density	:	not determined
Relative density	:	Not applicable
Solubility(ies)		
Water solubility	:	appreciable
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	not determined
Decomposition temperature	:	Thermal stability not tested. Low stability hazard expected at normal operating temperatures.
Viscosity		
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	not determined
Explosive properties	:	No data available
Oxidizing properties	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	None reasonably foreseeable.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Stable
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon dioxide (CO ₂) Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Product:

Acute oral toxicity : Remarks: No data available

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Ingredients:**propan-1-ol; n-propanol:**

Acute oral toxicity : LD50 Oral (Rat): 3,830 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 9.8 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 10,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: No data available

Ingredients:**propan-1-ol; n-propanol:**

Species: Rabbit
Exposure time: 72 h
Result: slight

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: No data available

Ingredients:**propan-1-ol; n-propanol:**

Species: Rabbit
Result: Corrosive
Exposure time: 72 h

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

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

Ingredients:**propan-1-ol; n-propanol:**

Test Type: Skin Sensitization

Species: Guinea pig

Result: non-sensitizing

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Product:

Remarks: This information is not available.

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 on OSHA's list of regulated carcinogens.

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

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

Ingredients:**propan-1-ol; n-propanol:**

May be harmful if swallowed and enters airways.

Information on likely routes of exposure**Product:**

Inhalation	:	Remarks: None known.
Skin contact	:	Remarks: None known.
Eye contact	:	Remarks: Causes serious eye damage.
Ingestion	:	Remarks: None known.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Ingredients:****propan-1-ol; n-propanol:**

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 804 mg/l Exposure time: 96 h LC50 (sideswimmer): > 804 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (daphnid): > 804 mg/l Exposure time: 96 h LC50 (snail): > 804 mg/l Exposure time: 96 h
Toxicity to algae	:	EC50 (Pseudokirchneriella subcapitata (algae)): 6,370 mg/l Exposure time: 48 h

Persistence and degradability**Ingredients:****propan-1-ol; n-propanol:**

Biodegradability	:	Concentration: 3 mg/l Biodegradation: 75 % Exposure time: 20 d
Biochemical Oxygen Demand (BOD)	:	BOD-5: 1,430 mg/g BOD-20: < 2,000 mg/l

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

Chemical Oxygen Demand : 71 mg/g
(COD)

ThOD : 2,400,000 mg/l

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**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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	: NA 1993
Proper shipping name	: Combustible liquid, n.o.s. (1-propanol)
Class	: CBL
Packing group	: III
Labels	: None
ERG Code	: 128
Marine pollutant	: no
Remarks	: Above applies only to containers over 119 gallons or 450 liters. Not regulated if shipped in packages less than or equal to 119 gallons (450 liters).

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know****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

WARNING: This product can expose you to chemicals including 1,4-dioxane, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

The ingredients of this product are reported in the following inventories:

CH INV	: On the inventory, or in compliance with the inventory
DSL	: On the inventory, or in compliance with the inventory
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
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
TCSI	: On the inventory, or in compliance with the inventory
TSCA	: 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.

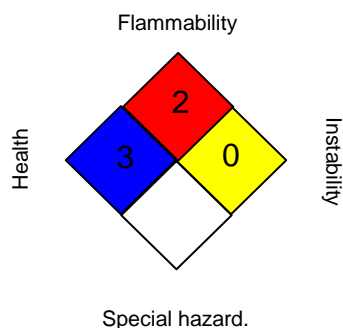
SECTION 16. OTHER INFORMATION

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

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 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

Further information**NFPA:****HMIS® IV:**

HEALTH	/	3
FLAMMABILITY		2
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.

Eastek(TM) 1200 Polymer Dispersion

Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	03/20/2018	150000001683	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0001	N44/0038701089/0004272709

Revision Date : 03/20/2018

The information provided in this Material 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