

Eastman(TM) Isopropyl Acetate

Version Revision Date: SDS Number: Date of last issue: -
1.1 04/12/2017 150000072186 Date of first issue: 09/06/2016
SDSUS / PRD / 0001

SECTION 1. IDENTIFICATION

Product name : Eastman(TM) Isopropyl Acetate
Product code : EAN 900279. 32953-00, P3295300, P3295304, P3295307,
P3295301, P3295308

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 : Solvent
Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Flammable liquids : Category 2
Eye irritation : Category 2B
Specific target organ
systemic toxicity - single
exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms : 

Signal Word : Danger
Hazard Statements : H225 Highly flammable liquid and vapor.
H320 Causes eye irritation.
H336 May cause drowsiness or dizziness.
Precautionary Statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces.

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No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
 P264 Wash skin thoroughly after handling.
 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.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

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.

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)
isopropyl acetate	108-21-4	100

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
 Treat symptomatically.
 If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and water.
 If symptoms persist, call a physician.

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In case of eye contact : Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.

If swallowed : Seek medical advice.

Most important symptoms and effects, both acute and delayed : Causes eye irritation.
May cause drowsiness or dizziness.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO2)
Dry chemical
Water spray
Alcohol-resistant foam

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Water may be ineffective.
The product will float on water and can be reignited on surface water.

Hazardous combustion products : No hazardous combustion products are known

Further information : Highly flammable liquid and vapor.
Use water spray to cool unopened containers.

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).
After cleaning, flush away traces with water.
Eliminate all ignition sources if safe to do so.

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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 get in eyes.
 Wash thoroughly after handling.
 Keep away from fire (No Smoking).
 Keep away from fire, sparks and heated surfaces.
 Do not use sparking tools.
- Conditions for safe storage : Keep container closed when not in use.
 Store locked up.

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

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
isopropyl acetate	108-21-4	TWA	100 ppm	ACGIH
		STEL	200 ppm	ACGIH
		TWA	250 ppm 950 mg/m3	OSHA Z-1
		TWA	250 ppm 950 mg/m3	OSHA P0
		STEL	310 ppm 1,185 mg/m3	OSHA P0

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection

Remarks : Wear suitable gloves.

Eye protection : Wear safety glasses with side shields (or goggles).
 Face-shield
 Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

Protective measures : Remove respiratory and skin/eye protection only after vapors have been cleared from the area.
 Ensure that eye flushing systems and safety showers are located close to the working place.
 Use personal protective equipment as required.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Color : colorless
Odor : sweet, fruity
Odor Threshold : not determined
Boiling point/boiling range : 85 °C
Flash point : 2 °C
 Method: Tag closed cup
Evaporation rate : not determined
Upper explosion limit : 40 %(V)
Lower explosion limit : 1.76 %(V)
Vapor pressure : not determined
Relative vapor density : 3.5
Relative density : 0.872 (20 °C)
Solubility(ies)
 Water solubility : Moderate
Autoignition temperature : 479 °C
Decomposition temperature : Thermal stability not tested. Low stability hazard expected at normal operating temperatures.
Viscosity
 Viscosity, dynamic : 0.60 mPa.s (20 °C)
 Viscosity, kinematic : not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable
Chemical stability : Stable under normal conditions.
Possibility of hazardous reac- : None known.

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tions

Conditions to avoid : Incompatible materials

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon dioxide (CO2)
Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Product:

Acute oral toxicity : LD50 Oral (Rat): 6,750 mg/kg

Acute inhalation toxicity : LC50 (Rat): 50.6 mg/l
Exposure time: 8 h

Ingredients:**isopropyl acetate:**

Acute oral toxicity : LD50 Oral (Rat): 6,750 mg/kg

Acute inhalation toxicity : LC50 (Rat): 50.6 mg/l
Exposure time: 8 h

Acute dermal toxicity : LD50 Dermal (Rat): > 20 ml/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Species: Guinea pig

Exposure time: 4 h

Result: slight

Remarks: Read-across from a similar material

Ingredients:**isopropyl acetate:**

Species: Guinea pig

Exposure time: 4 h

Result: slight

Remarks: Read-across from a similar material

Serious eye damage/eye irritation

Causes eye irritation.

Product:

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Species: Rabbit
Result: slight to moderate

Ingredients:**isopropyl acetate:**

Species: Rabbit
Result: slight to moderate

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.

Product:

Test Type: Skin Sensitization
Species: Guinea pig
Result: non-sensitizing
Remarks: Read-across from a similar material

Ingredients:**isopropyl acetate:**

Test Type: Skin Sensitization
Species: Guinea pig
Result: non-sensitizing
Remarks: Read-across from a similar material

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

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 ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

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NOEC: (daphnid): 4,150 mg/l
Exposure time: 24 h

Toxicity to algae : ErC50 (Chlorella pyrenoidosa): 370 mg/l
Exposure time: 96 h
Remarks: Read-across from a similar material

Ingredients:**isopropyl acetate:**

Toxicity to fish : LC50 (Fish): 265 - 360 mg/l
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (daphnid): 1,260 mg/l
Exposure time: 48 h

NOEC: (daphnid): 4,150 mg/l
Exposure time: 24 h

Toxicity to algae : ErC50 (Chlorella pyrenoidosa): 370 mg/l
Exposure time: 96 h
Remarks: Read-across from a similar material

Persistence and degradability**Product:**

Biodegradability : Result: Readily biodegradable.
Biodegradation: 76 %
Exposure time: 20 d
Method: Ready Biodegradability: Closed Bottle Test

Ingredients:**isopropyl acetate:**

Biodegradability : Result: Readily biodegradable.
Biodegradation: 76 %
Exposure time: 20 d
Method: Ready Biodegradability: Closed Bottle Test

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.

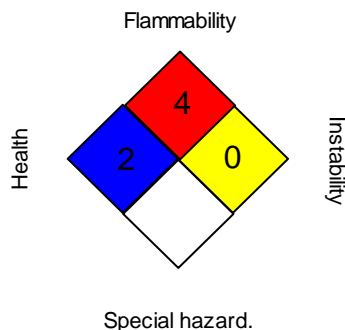
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in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; 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	/	2
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.

Revision Date : 04/12/2017

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.

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