

 Version
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SECTION 1. IDENTIFICATION

Product name : Eastman(TM) Cellulose Acetate CA-320S NF/EP

Product code : EAN 983514. 29254-00, P2925401, P2925407, P292540S,

E2925401

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 number : CHEMTREC: +1-800-424-9300, +1-703-527-3887 CCN7321

Recommended use of the chemical and restrictions on use

Recommended use : Polymer

Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Combustible dust

GHS Label element

Signal word : WARNING!

Hazard statements : May form combustible dust concentrations in air

Precautionary statements : **Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces.

No smoking.

P243 Take action to prevent static discharges.

Disposal:

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regu-

lations.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



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Substance name : cellulose acetate

Components

cellulose acetate 9004-35-7

SECTION 4. FIRST AID MEASURES

If inhaled : Remove to fresh air.

Treat symptomatically.

Get medical attention if symptoms persist.

In case of skin contact : Wash with soap and water.

Get medical attention if symptoms occur.

If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of

burn.

Get medical advice/ attention.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Get medical attention if symptoms persist.

If swallowed : Seek medical advice.

Most important symptoms and effects, both acute and

delayed

Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal

from the skin is not necessary.

Contact with molten substance/product may cause severe

burns to skin and eyes.

Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray to extinguish.

Dry chemical

Carbon dioxide (CO2)

Unsuitable extinguishing

media

: None known.

Specific hazards during fire-

fighting

: Powdered material may form explosive dust-air mixtures.

Hazardous combustion prod-

ucts

: No hazardous combustion products are known

Further information : Material can accumulate static charges which may cause an



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electrical spark (ignition source). Use proper bonding and/or

grounding procedures.

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing

must be worn in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Wear appropriate personal protective equipment. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental precautions : Not regarded as dangerous for the environment.

Methods and materials for containment and cleaning up Sweep up and place in a clearly labeled container for chemi-

cal waste.

SECTION 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

: Minimize dust generation and accumulation.

: Avoid contact with molten material. Advice on safe handling

> Mixing cellulose esters in a nonpolar hydrocarbon, such as toluene or xylene, may result in the buildup of static electricity, which can cause a flash fire or an explosion. When adding cellulose ester to any flammable liquid, an inert gas atmos-

phere should be maintained within the vessel.

Keep container tightly closed. Conditions for safe storage

Store at temperatures not exceeding 30°C.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

In the United States of America, if respirators are used, a program should be instituted to assure compliance with

OSHA Standard 63 FR 1152, January 8, 1998.

Respirator type:

Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufac-

turer for specific information.



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Hand protection

Remarks : It is a good industrial hygiene practice to minimize skin con-

tact. When material is heated, wear gloves to protect against

thermal burns.

Eye protection : It is a good industrial hygiene practice to minimize eye con-

tact.

Wear a face shield when working with molten material.

Protective measures : Eye bath.

Washing facilities.

Hygiene measures : Observe good industrial hygiene practices.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets

Colour : off-white

Odour : odourless

Melting point/range :

Flash point : not applicable, combustible solid

Evaporation rate : not determined

Vapour pressure : not determined

Relative density : 1.31 - 1.32

Solubility(ies)

Water solubility : very faint

Decomposition temperature : Thermal stability not tested. Low stability hazard expected at

normal operating temperatures.

Viscosity

Viscosity, kinematic : not determined

Dust explosion class : St 2 - strong explosion

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reac-

tions

: None known. Not fully evaluated.

Conditions to avoid : Avoid dust formation.



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Incompatible materials : Strong oxidizing agents

Hazardous decomposition

products

: Carbon monoxide Carbon dioxide (CO2)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

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.

Components:

cellulose acetate:

Remarks: IARC Not Listed.

NTP Not Listed. OSHA Not Listed.

Carcinogenicity - Assess-

ment

: IARC Not Listed., NTP Not Listed., OSHA Not Listed.

IARC No component 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 identified as a carcinogen or potential carcino-

gen by OSHA.

NTP No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.



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Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Product:

Inhalation : Remarks: None known.

Skin contact : Remarks: Molten material will produce thermal burns.

Eye contact : Remarks: Molten material will produce thermal burns.

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

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Pro-

tection of Stratospheric Ozone - CAA Section 602 Class I

Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).



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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of waste and residues in accordance with local au-

thority requirements.

SECTION 14. TRANSPORT INFORMATION

International Regulation

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards : Fire Hazard

SARA 302 : No chemicals in this material are subject to the reporting re-

quirements of SARA Title III, Section 302.

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.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

cellulose acetate 9004-35-7 99.3135 %

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307



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

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

AICS : 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

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

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized 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; IMDG - International Maritime Dangerous Goods: IMO - International Maritime Organization: ISO - International Organisation for Standardization; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical



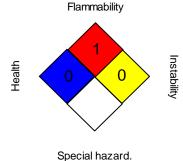
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Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

Further information





HMIS III:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

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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.

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