

**Eastman(TM) Cellulose Acetate CA-320S
NF/EP**

Version Revision Date: MSDS Number: Date of last issue: 04/28/2014
2.3 03/23/2016 150000063628 Date of first issue: 12/07/2011
SDSUS / PRD / 0001

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	
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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 : Burns should be treated as thermal burns. The material will
 and effects, both acute and come off as healing occurs; therefore, immediate removal
 delayed 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 : None known.
 media

Specific hazards during fire- : Powdered material may form explosive dust-air mixtures.
 fighting

Hazardous combustion prod- : No hazardous combustion products are known
 ucts

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 chemical waste.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Minimize dust generation and accumulation.

Advice on safe handling : Avoid contact with molten material. 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 atmosphere should be maintained within the vessel.

Conditions for safe storage : Keep container tightly closed. 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 manufacturer for specific information.

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Hand protection

Remarks : It is a good industrial hygiene practice to minimize skin contact. When material is heated, wear gloves to protect against thermal burns.

Eye protection : It is a good industrial hygiene practice to minimize eye contact.
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 reactions : 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 (CO ₂)

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 - Assessment	:	IARC Not Listed., NTP Not Listed., OSHA Not Listed.
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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 carcinogen 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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SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of waste and residues in accordance with local authority 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 requirements 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 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

cellulose acetate	9004-35-7	99.3135 %
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Clean Water Act

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

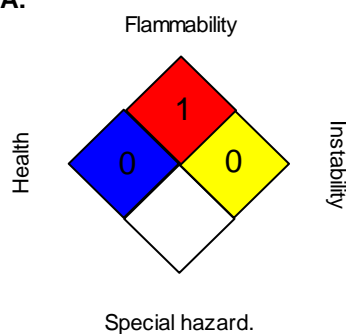
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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

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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**NFPA:****HMIS III:**

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Revision Date : 03/23/2016

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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