

Product name	Acetate Flake		NA/EN
MSDS number	89002	Revision Date	Dec.17.2014
Revision Number	4.01	Issuing date	Dec.17.2014

1. Product and company identification

Trade Name

Acetate Flake

Celanese Acetate LLC

3520 Virginia Ave
Narrows, VA 24124

Celanese Group, S de R.L. de C.V:

Freeway Coatzacoalcos-Villahermosa Km. 12.3 C.P. 96400
Coatzacoalcos, Ver
Mexico
Phone: (921) 211-5000/211-5048
Fax: (921) 211-5003

Transportation emergency phone numbers:

In USA, call 800 424 9300
Outside USA, call 703 527 3887, collect calls accepted.

Identified uses

Industrial use, Plastic material, Injection molding articles for optical industry, Packaging

2. Hazards identification

Emergency Overview

Bulk flake dried and ground to a fine dust can be a severe dust explosion hazard.

Product Description

Appearance

Form	flakes
Odor	mild
Color	white

Potential health effects

Routes of exposure Eyes

Immediate effects

Skin	Essentially non-irritating.
Eyes	Resin particles, like other inert materials, are mechanically irritating to eyes
Inhalation	Dust irritating to respiratory tract.

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Ingestion

Essentially non-toxic.

3. Composition/information on ingredients

Components	CAS-No	Percent %
Cellulose acetate	9004-35-7	100

4. First aid measures

General Information

Work place should be equipped with a shower and an eye rinsing apparatus.

Skin

Wash off with warm water. Get medical attention if irritation develops and persists.

Eyes

Immediately flush eye(s) with plenty of water. Call a physician if irritation persists.

Inhalation

Move to fresh air in case of accidental inhalation of dust.

Ingestion

Not an expected route of exposure.

5. Fire-fighting measures

NFPA: **Health:** 0 **Flammability:** 0 **Instability:** 0**Suitable extinguishing media**Water spray, Foam, Carbon dioxide (CO₂), Dry chemical**Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gasesSpecial exposure hazards arising from the substance or preparation itself, its combustion products, or released gases
Under conditions giving incomplete combustion, hazardous gases produced may consist of

Carbon monoxide

Carbon dioxide (CO₂)

Combustion gases of organic materials must in principle be graded as inhalation poisons

Special protective equipment for fire-fighters

Fire fighters should wear full protective clothing, including self-contained breathing equipment.

Environmental precautions

Dike and collect water used to fight fire.

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Other Information

Move containers from fire area if you can do it without risk

6. Accidental release measures

Personal precautions

Avoid contact with the skin and the eyes. Keep away from heat and sources of ignition. Avoid dust formation.

Environmental precautions

Should not be released into the environment.

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal.

7. Handling and storage

Advice on safe handling

Vapor removal equipment should be used for high-temperature processing such as extruding or melting flake. These processes can generate small quantities of volatile decomposition products. Acetic acid is the principal decomposition product and exposures should be controlled below the established limits.

Protection - fire and explosion:

Use dust ignition proof local exhaust ventilation if required to maintain flake dust levels below 10 mg/m³. All equipment used when handling the product must be grounded. Fluidized conveying systems should be protected from all sources of ignition. Blanketing with inert gas is recommended.

Technical measures/Storage conditions

No special storage conditions required. Avoid dust formation.

Material storage

Storage equipment should conform to Class II, Group G, Division 1 or 2 (as appropriate) requirements..

Incompatible products

None known

8. Exposure controls / personal protection

OSHA Exposure Limits

No exposure limits established.

ACGIH Exposure Limits

No exposure limits established.

Mexico National Exposure Limits

No exposure limits established

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Exposure controls

Engineering measures

General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred.

Protective equipment

A safety shower and eyebath should be readily available.

General advice

Do not breathe dust. Hold eye wash fountain available. When using, do not eat, drink or smoke.

Respiratory protection

Use NIOSH approved respiratory protection (N95)

Eye/face protection:

safety glasses with side-shields.

9. Physical and chemical properties

Appearance

Form	flakes
Color	white
Odor	mild
Melting point/range	237°C
Viscosity	75 - 135 cP @ 20°C
Solubility in other solvents	Acids, alkalis many solvents

10. Stability and reactivity

Chemical stability

Stable under normal conditions of handling, use and transportation.

Conditions to avoid

Avoid dust formation. Keep away from heat, sparks and flame

Incompatible Materials

None known

Possibility of hazardous reactions

Risk of dust explosion.

11. Toxicological information

Toxicological data are not available. Observe the usual hygienic measures for handling chemicals.

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12. Ecological Information

Ecotoxicological data are not available. Do not discharge product unmonitored into the environment.

13. Disposal considerations

Disposal considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

14. Transport information

US Department of Transportation Not regulated

TDG Not regulated

Mexico Transport Information Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

15. Regulatory information

US State Regulations

Chemicals associated with the product which are subject to the state right-to-know regulations are listed along with the applicable state(s):
none

U.S. FEDERAL REGULATIONS

TSCA Inventory:

We certify that all components are either on the TSCA inventory or qualify for an exemption.

Environmental Regulations:

SARA 311:

Acute health:	No
Chronic health:	No
Fire:	No
Sudden release of pressure:	No

Safety Data Sheet



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Reactive: No

INTERNATIONAL REGULATIONS

International Inventories

Listed on the chemical inventories of the following countries or qualifies for an exemption:

Australia (AICS)
Canada (DSL)
China (IECSC)
Europe (EINECS)
Japan (ENCS)
Japan (ISHL)
Korea (KECI)
New Zealand (NZIoC)
Philippines (PICCS)
United States (TSCA)

CANADIAN REGULATIONS

WHMIS Classification: Not a WHMIS controlled product.

16. Other information

NFPA: Health: 0 Flammability: 0 Instability: 0

Prepared By

Product Stewardship Department
Celanese

Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable.. The absence of data elements required by ANSI or 1907/2006/EC indicates that no data meeting these requirements is available..

Other Information:

Observe national and local legal requirements
Changes against the previous version are marked by ***

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality.

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Abbreviation and Acronym:

ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG = International Maritime Code for Dangerous Goods

IATA = International Air Transport Association

ICAO = International Civil Aviation Organization

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

EINECS = European Inventory of Existing Commercial Chemical Substances

CAS = Chemical Abstracts Service (division of the American Chemical Society)

CLP = Classification, Labelling and Packaging

PBT = Persistent, Bioaccumulative and Toxic

vPvB = very Persistent and very Bioaccumulative

R-Phrases = Risk Phrases

S-Phrases = Safety Phrases

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration