

Offer Sheet

Product	Acetic Anhydride
Quantity	Tanker truck
Net weight	~14,360 lbs.
Manufacture date	
Availability	One time
Location	Joliet, IL
Date	5/5/26
COA & SDS	Attached below



Product rejected due to trailer not having the correct wash, virgin good product.

Acetic anhydride is a **high-reactivity acetylating agent**. In practice, it's used to **introduce acetyl groups (-COCH₃)** into other molecules or to act as a **dehydrating agent** in synthesis.

1) Cellulose derivatives (largest industrial outlet)

- **Cellulose acetate**
- **Cellulose triacetate (CTA)**

Applications:

- Cigarette filter tow (dominant volume use)
- Textile fibers
- Films and membranes

Why it's used:

- Converts cellulose into a thermoplastic, processable material
-

2) Pharmaceuticals (critical intermediate)

- **Aspirin (acetylsalicylic acid)**
 - Acetylated intermediates in multiple drug syntheses
-

3) Acetate esters (solvents and intermediates)

- **Ethyl acetate**
- **Butyl acetate**
- Specialty acetate esters

Applications:

- Coatings
- Inks
- Adhesives

Function:

- Reacts with alcohols to form **high-value solvent esters**
-

4) Agrochemicals

- Intermediate in production of:
 - Herbicides
 - Pesticides
 - Crop protection chemicals

Role:

- Acetylation step in active ingredient synthesis
-

5) Dyes, pigments, and specialty chemicals

- Used to modify:
 - Aromatic compounds
 - Amines
 - Alcohols

Applications:

- Colorants
 - Fine chemicals
 - Intermediates for coatings and inks
-

6) Plasticizers and resins

- Production of:
 - Acetylated plasticizers
 - Specialty resins

Use:

- Improves flexibility and processing characteristics
-

7) Laboratory and chemical processing

- **Dehydrating agent**
- **Reagent in organic synthesis**

Used in:

- Research labs
 - Specialty chemical manufacturing
-

STRAIGHT BILL OF LADING-SHORT FORM-ORIGINAL-NOT NEGOTIABLE

CARRIER'S NO.:

CARRIER: CPU UNASSIGNED

DATE: 04/08/2026

Bill of Lading #: 2600111386

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

AT: Argo IL

FROM: CELANESE LTD C/O CELANESE PSS

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CONSIGNEE TO CARGILL EDDYVILLE
 DESTINATION 1194 720TH AVENUE
 EDDYVILLE IA 52533 US
 SCAC CPUP

VEHICLE OR CAR NBR. QLIC 414056

NO PACKAGES	DESCRIPTION OF MATERIALS SPECIAL MARKS & EXCEPTIONS	Gross Weight	Tare Weight	Net Weight	UOM	
1 Cargo Tank	****Shipping Data**** CFR UN 1715, Acetic anhydride, 8, (3), PG II RQ(Acetic anhydride)	21,745.441	15,231.788	6,513.653	KG	Subject to section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	Placarded: CORROSIVE, FLAMMABLE LIQUID ERAP Number 2-0956 CALL 1-888-922-3330 Hazmat STCC: 4931304 Harmonization Code: 2915.24.0000 Emergency Response Guide: 137 Flash Point: 49.00°C Liquid; Keep away from foodstuffs ***** End of Shipping Data ***** Delivery Note : 88771555 / Load ID : 204080806 Customer Material ID: 100037831 Unloading Point: # Delivery Date: 04/08/2026 Delivery Time : COMPARTMENT #1 / Product # 50000437 Description Acetic anhydride	47,940.000	33,580.000	14,360.000	LB	
						(Signature of Consignor)
						IF CHARGES ARE TO BE PREPAID. WRITE OR STAMP HERE: "TO BE PREPAID"
						COLLECT Ex Works
						The description and weight indicated on this bill of lading are correct subject to verification by the weighing and insp. Bureau according to agreement.
						CUSTOMER ORDER NO. 4521222763
						RELEASE NUMBER
						OUR ORDER NO. 3415065 /
						THIRD PARTY ORDER NO.
						Where rate is dependent on value, the agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding dollars per pound for each distribution Package.

FOR Emergency Response Call CHEMTREC (24-HOURS)
 In-USA call: 800-424-9300; Outside USA call +1-703-741-5970
 Celanese Chemtrec Customer #: CCN4138
 In Canada: call CANUTEC (24-HOUR) 613-996-6666

PAGE 1 OF 2

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SHIPPER: CELANESE PSS ARGO
 PEF

AGENT:
 PER:

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VEHICLE OR CAR NBR. QLIC 414056

NO PACKAGES	DESCRIPTION OF MATERIALS SPECIAL MARKS & EXCEPTIONS	Gross Weight	Tare Weight	Net Weight	UOM
	*****SEAL NUMBERS***** C568225-26 1 <i>Josh Alban 4-8-26</i> TRANSPORTATION DOCS, POR & PLACARDS OFFERED Driver Signature <i>[Signature]</i>				

Dome Seal 937221 Josh Alban 4-8-26

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SHIPPER: CELANESE PSS ARGO
 PER *[Signature]*

AGENT:
 PER *[Signature]*



CARGILL EDDYVILLE
1194 720TH AVENUE
EDDYVILLE IA 52533
USA

Phone: 952-742-7575

Celanese Performance Solutions Switz.
C/O Kinder Morgan/Argo
8500 W. 68th Street
ARGO IL 60501
USA

Certificate of Analysis / PQR

Customer no.: 2218930
Sold-To PO: 4521222763
Product: Acetic anhydride
Product no.: 50000437
Customer Material ID: 100037831

Date: 07 Apr 2026
Delivery item/date: 88771555 000010 / 08 Apr 2026
Delivery item Qty: 14,360.000 LB
Order Item /date: 3415065 000010 / 25 Mar 2026
Carrier: 5000809 CPU UNASSIGNED
Container no.: QLIC 414056

Lot no. 50002863383

Characteristic	UoM	Value	Limit
Acetic Anhydride (assay)	%(m)	99.71	min. 99.50
Acetic Acid	%(m)	0.24	max. 0.50
Aluminum	ppm(m)	< 1.0	max. 1.0
Iron	ppm(m)	< 1.0	max. 1.0
Heavy Metals, as Lead (Pb)	ppm(m)	< 1.0	max. 1.0
Chlorides	ppm(m)	< 1.00	max. 1.00
Total Sulfur	ppm(m)	< 1.0	max. 1.0
Non-Volatiles	g/100 ml	< 0.003	max. 0.003
Permanganate Time	min.	50	min. 10
Pt-Co Color (Hazen/APHA Color)	Pt-Co unit	1.7	max. 10.0
Specific Gravity, 20/20 C	n/a	1.0836	1.0800 - 1.0840
Appearance			Substantially Clear and Free

The shelf life is one year from date of delivery. This period is in general applicable to material stored under recommended handling and storage conditions (www.celanese.com). When product exceeds its shelf life or storage deviates from the recommended conditions, periodic monitoring may be required to verify quality status of the product and its suitability for the ended uses.

The above particulars do not release the customer from the obligation to carry out an inspection of goods received.

Quality Inspector

This report is electronically produced and is valid without signature.

The values shown represent testing performed on bulk material and are not shipment-specific, unless indicated with asterisk (*).
If you have any questions on quality or weight of this shipment, please call your customer service representative.

STRAIGHT BILL OF LADING-SHORT FORM-ORIGINAL-NOT NEGOTIABLE

CARRIER: CPU UNASSIGNED

DATE: 04/08/2026

CARRIER'S NO.:

Bill of Lading #: 2600111386

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 PEF

AGENT:
 PER:

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CARRIER'S NO.:

CARRIER: CPU UNASSIGNED

DATE: 04/08/2026

Bill of Lading #: 260011386

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

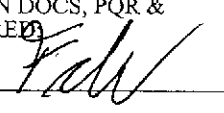
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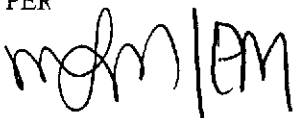
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SHIPPER: CELANESE PSS ARGO
 PER



AGENT:
 PER



Cleaning certificate



CALUMET TANK
 12440 S. Stony Island Ave.
 Chicago, IL 60633

Web: www.calumettank.com
 Tel: 773.646.6662

Customer reference: 2719680		Serial number: CT.260406.58.C1	
Customer: Quest Liner Inc. 501 Bell Street Dubuque Iowa, 52001 USA		Tank, Container: 414056	
Nature of product Non-food		Next Load	
Comp	UN Nr.	Previous load	Cleaning procedures: Hot water Rinse Steam and Dry
1	XYLENE		HotWater Rinse and Dry, Steam and Dry, Clean Pump
2			
3			
4			
5			
6			
7			
Comp Additional services			
1	Units	Waste Surcharge	1 Units Energy Surcharge
3	Action	*Clean Hose	
Comments			
Seals:			
The cleaning station and the driver confirm that the above service(s) to clean the Tank have been carried out. For additional information please visit our website.			
Cleaner name Maximo Graciano		Date, Time In 4/6/2026 5:09 PM Date, Time Out 4/6/2026 5:50 PM	
Name Maximo Graciano Signature 		Driver Name Signature	

27,380

KINDER MORGAN

LIQUIDS TERMINALS LLC

ARGO, ILLINOIS

Order Number 3415065

Carrier Name QUC 4121056

Compartment _____

Commodity ACETIC ANHYDRIDE

Lbs/Gal 19.06110

Gallons Requested 1,545

INBOUND	33580	16	04/07/2026	11:20	
TRAILER#		410056	47940	GROSS LB	G
04/07/2026		09:59	33580	TARE LB	T
			14340	NET LB	N
Total Gallons <u>1545</u>					

Product name	Acetic anhydride	Revision Date	NA/EN May.06.2015
MSDS number	80005	Issuing date	May.06.2015
Revision Number	0.02		

1. Product and company identification

Trade Name

Acetic anhydride

Celanese Ltd.
222 W. Las Colinas Blvd., Suite 900N
Irving, TX 75039
United States
Phone: 972 443 4000
Internet: www.celanese.com

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.
In Mexico, call (921) 211-5048, 211-5000

Identified uses
Chemical intermediate

2. Hazard Identification

GHS Classification

Hazards

Acute oral toxicity
Flammable liquid
Acute inhalation toxicity
Skin corrosion/irritation
Serious eye damage/eye irritation

Category

Category 4
Category 3
Category 2
Category 1B
Category 1

Label elements



Signal Word

Danger

Safety Data Sheet



Product name	Acetic anhydride	Revision Date	May.06.2015
MSDS number	80005	Issuing date	May.06.2015
Revision Number	0.02		

Hazard Statements

- Flammable liquid and vapor
- Harmful if swallowed
- Fatal if inhaled
- Causes severe skin burns and eye damage
- Causes serious eye damage

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
In case of fire:
Use foam, dry powder, carbon dioxide (CO2) to extinguish.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Wear respiratory protection
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting
Call a POISON CENTER or doctor if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor.
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 CENTER or doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Wash contaminated clothing before reuse.
Store locked up.
Store in a well-ventilated place. Keep cool.
Dispose of contents/ container to an approved waste disposal plant.

3. Composition/information on ingredients

Components	CAS-No	Percent %
Acetic anhydride	108-24-7	min 99.5

4. First aid measures

General Information

Remove contaminated, soaked clothing immediately and dispose of safely. Pay attention to own protection. In any case show the physician the Safety Data Sheet.

Skin

Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Safety Data Sheet



Product name	Acetic anhydride	Revision Date	NA/EN May.06.2015
MSDS number	80005	Issuing date	May.06.2015
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Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.

Authority Notification

Within the United States, call the National Response Center (800-424-8802) and appropriate state and local authorities if the quantity released over 24 hours is equal to or greater than the reportable quantity listed below:

5000 lb/2270kg

7. Handling and storage

Advice on safe handling

Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Store in a place accessible by authorized persons only.

Protection - fire and explosion:

Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge. In case of fire, emergency cooling with water spray should be available.

Technical measures/Storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Take measures to prevent the build up of electrostatic charge.

Material storage

Store locked up. Keep in a dry, cool and well-ventilated place.

Incompatible products

Keep away from: bases, amines, water

8. Exposure controls / personal protection

OSHA Exposure Limits

Components	TWA
Acetic anhydride	5 PPM

ACGIH Exposure Limits

Components	TWA
Acetic anhydride	5 PPM

Components	Celanese Workplace Exposure Limit
Acetic anhydride	1 ppm TWA

Components	2005 NIOSH IDLH
Acetic anhydride	200 ppm

Product name	Acetic anhydride	Revision Date	May.06.2015
MSDS number	80005	Issuing date	May.06.2015
Revision Number	0.02		

Mexico National Exposure Limits

Components	LMPE - PPT	
	Acetic anhydride	20 mg/m ³

Exposure controls

Engineering measures

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

Personal protective equipment

Personal protective equipment

Protective equipment

A safety shower and eyebath should be readily available.

General advice

Use only in an area equipped with a safety shower. Avoid contact with skin and eyes. Do not breathe vapors or spray mist.

Respiratory protection

For concentrations > 1 and < 10 times the occupational exposure level: Use air-purifying respirator with full facepiece and organic vapor cartridge(s) or air-purifying full facepiece respirator with an organic vapor canister or a full facepiece powered air-purifying respirator fitted with organic vapor cartridge(s). The air purifying element must have an end of service life indicator, or a documented change out schedule must be established. Otherwise, use supplied air.

For concentrations more than 10 times the occupational exposure level and less than the lower of either 100 times the occupational exposure level or the IDLH: Use Type C full facepiece supplied-air respirator operated in positive-pressure or continuous-flow mode.

For concentrations > 100 times the occupational exposure level or greater than the IDLH level or unknown concentrations (such as in emergencies): Use self-contained breathing apparatus with full facepiece in positive-pressure mode or Type C positive-pressure full facepiece supplied-air respirator with an auxiliary positive-pressure self-contained breathing apparatus escape system.

For escape: Use self-contained breathing apparatus with full facepiece or any respirator specifically approved for escape.

Skin protection:

Wear impervious clothing and gloves to prevent contact. Butyl rubber is recommended. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be based on protection for all chemicals present.

Eye/face protection:

Wear chemical goggles when there is a reasonable chance of eye contact. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face.

Product name Acetic anhydride
 MSDS number 80005
 Revision Number 0.02

NA/EN

Revision Date
 Issuing date

May.06.2015
 May.06.2015

9. Physical and chemical properties

Appearance

Form	liquid
Color	colourless
Odor	pungent of vinegar
Molecular Weight	102.09
Flash point	49°C(120°F)
Method	closed cup
Ignition temperature	330°C (626°F)
Method	DIN 51794
Lower explosion limit	~2.0 Vol. %
Upper explosion limit	~10.2 Vol. %
Melting point/range	-73°C (-99°F)
Boiling point/range	140°C (284°F) @ 1013 hPa
Density	1.08 g/ml @ 20°C
Viscosity	0.843 mPa*s @ 25°C
Vapor pressure	5 hPa @ 20°C(4 mmHg) 29 hPa @ 50°C (22 mmHg)
Vapor density	3.5 (Air=1)
Evaporation Rate	0.46 (n-Butyl acetate = 1)
Water solubility	hydrolyses
Partition coefficient (n-octanol/water)	-0.58 (calculated)

10. Stability and reactivity

Chemical stability

May react with evolution of heat and/or toxic gases on contact with water.

Conditions to avoid

Keep away from heat, sparks and flame Avoid any source of ignition.

Incompatible Materials

Keep away from:

water
 steam
 alcohols
 Aqueous solution of alkali salts
 acids
 peroxides
 amines
 strong oxidizing agents

Hazardous Combustion or Decomposition Products:

Thermal decomposition products may include oxides of carbon.

Product name	Acetic anhydride	Revision Date	May.06.2015	NA/EN
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Possibility of hazardous reactions
 Reacts violently with water, alkalis, alcohols, amines.

11. Toxicological information

Potential health effects

Routes of exposure Skin, eyes, inhalation, ingestion.

Immediate effects

- Skin** Causes skin burns. Symptoms of overexposure include: Redness or discoloration, swelling, itching, burning or blistering of skin.
- Eyes** Exposure to liquid causes severe eye burns, damage irreversible. Exposure to vapors Causes eye irritation. Symptoms of exposure may include: Eye irritation, burning sensation, pain, watering, and/or change of vision.
- Inhalation** Causes respiratory tract irritation. Harmful if inhaled. Symptoms of exposure may include: Nasal discharge, hoarseness, coughing, chest pain and breathing difficulty. Accumulation of fluid in the lungs (pulmonary edema); symptoms can be delayed for several hours.
- Ingestion** Causes digestive tract burns. May be harmful if swallowed. Symptoms of exposure may include: Inflammation of mouth, throat, esophagus and/or stomach. Nausea, vomiting, loss of appetite, gastrointestinal irritation and/or diarrhea.

Medical conditions which may be aggravated by exposure: Significant exposure to this chemical may adversely affect people with acute or chronic disease of the:
 Respiratory Tract
 Skin
 Eyes

Acetic anhydride

Acute oral toxicity	LD50: 630 mg/kg- harmful- Not toxic
Acute inhalation toxicity	LC100 (6h): 400 ppm - harmful
Method	Similar to OECD 412
Skin corrosion/irritation	corrosive
Species	Humans
Skin Sensitization	nonsensitizer
Serious eye damage/eye irritation	irritant
Species	rat
Method	OECD 413
Carcinogenic effects	No evidence of carcinogenicity
in vitro Mutagenicity	Ames Test: negative - with and without metabolic activation - Method: OECD 471 In vitro Mammalian Chromosome aberrations in Chinese Hamster Cells: negative - with and without metabolic activation - Method: OECD 473

Safety Data Sheet



Product name	Acetic anhydride	Revision Date	NA/EN
MSDS number	80005	Issuing date	May.06.2015
Revision Number	0.02		May.06.2015

Acetic anhydride	
in vivo Mutagenicity	Did not cause chromosomal damage in rat bone marrow Method: EU B.12
Developmental effects	no adverse developmental effects
Routes of exposure	Inhalation
Species	rat
Repeated exposure	No adverse effects
Routes of exposure	Inhalation
Species	rat
Method	OECD 412
	LOAEC: 104 mg/m ³

12. Ecological Information

Acetic anhydride	
Acute fish toxicity	LC50: > 300.82 mg/l (96h) (Reference substance: Potassium acetate solution) Oncorhynchus mykiss (rainbow trout)
Species:	
Method	SOP E257
Acute daphnia toxicity	EC50: > 300.82 mg/l (48h) (Reference substance: Potassium acetate solution)
Species:	Daphnia magna
Method	OECD 202
Toxicity to aquatic plants	EC50: > 300.82 mg/l (72h) (Reference substance: Potassium acetate solution)
Species:	Skeletonema costatum
Method	ISO 10253
Toxicity to bacteria	EC3 (16h): 1150 mg/l
Species:	Pseudomonas putida
Biodegradation	Readily biodegradable
Method	BOD Standard Method
Other potential hazards	The substance does not meet the criteria for PBT / vPvB according to REACH, Annex XIII

Product name	Acetic anhydride		NA/EN
MSDS number	80005	Revision Date	May.06.2015
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13. Disposal considerations

Disposal considerations

Dispose of spilled material in accordance with state and local regulations for hazardous waste. Recommended methods are incineration or biological treatment at a federally or state-permitted disposal facility. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste.

EPA Hazardous Waste Code(s): D001, D002

14. Transport information

US Department of Transportation

UN/NA Number:	UN 1715
Proper Shipping Name	Acetic anhydride
Hazard class	8
Subsidiary hazard	3
Packing Group	II
Reportable Quantity (RQ)	5000 lb/2270kg
Emergency Resp. Guide	137

TDG

UN/NA Number:	UN 1715
Proper Shipping Name	ACETIC ANHYDRIDE
Class:	8
Subsidiary Risk:	3
Packing Group:	II

Mexico Transport Information

UN-No.	UN 1715
Proper Shipping Name	Acetic anhydride
Hazard Class	8
Subsidiary Risk	3
Packing Group	II

ICAO/IATA

UN-No.	UN 1715
Proper Shipping Name	Acetic anhydride
Hazard Class	8
Subsidiary Risk	3
Packing group	II

IMDG

UN/ID No.	UN 1715
Proper Shipping Name	Acetic anhydride

Safety Data Sheet



Product name	Acetic anhydride		
MSDS number	80005	Revision Date	May.06.2015
Revision Number	0.02	Issuing date	May.06.2015

Hazard Class	8
Subsidiary Risk	3
Packing group	II
Marine pollutant	no
EmS Code	F-E, S-C

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):

Acetic anhydride 108-24-7

Pennsylvania	Listed
New York	Listed
New Jersey	Listed
Illinois	Listed
Massachusetts	Listed
Rhode Island	Listed

U.S. FEDERAL REGULATIONS

TSCA Inventory:

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

Environmental Regulations:

Acetic anhydride 108-24-7

CERCLA Hazardous Substance Listed

SARA 311:

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

INTERNATIONAL REGULATIONS

Safety Data Sheet



Product name	Acetic anhydride		NA/EN
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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)

16. Other information

NFPA:	Health: 3	Flammability: 2	Instability: 1
HMIS:	Health: 3	Flammability: 2	Physical Hazard: 1

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 ***

Safety Data Sheet



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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)

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

CLP = Classification, Labelling and Packaging

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)

ICAO = International Civil Aviation Organization

IMDG = International Maritime Code for Dangerous Goods

LC50 = Lethal Concentration

LD50 = Lethal Dose

LOAEC = Low Observed Adverse Effect Concentration

LOAEL = Low Observed Adverse Effect Level

LOEL = Low Observed Effect Level

MEST = Mouse Ear Swelling Test

NOAEC = No Observed Adverse Effect Concentration

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RCR = Risk Characterization Ratio

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

R-Phrases = Risk Phrases

S-Phrases = Safety Phrases

STOT RE = Specific Target Organ Toxicity Repeated Exposure

STOT SE = Specific Target Organ Toxicity Single Exposure

STP = Sewage Treatment Plant

vPvB = very Persistent and very Bioaccumulative