

# Safety Data Sheet

## Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Ethanol SDA 3C 200 Proof

#### Recommended use of the chemical and restrictions on use

Recommended use : Alcohol solvent

#### Manufacturer or supplier's details

**Company** : Univar Solutions USA  
**Address** : 3075 Highland Pkwy Suite 200  
 Downers Grove, IL 60515  
 United States of America (USA)

#### Emergency telephone number:

Transport North America: CHEMTREC (1-800-424-9300)

CHEMTREC INTERNATIONAL Tel # 703-527-3887

**Additional Information:** : Responsible Party: Product Compliance Department  
 E-mail: SDSNA@univarsolutions.com  
 SDS Requests: 1-855-429-2661  
 Website: www.univarsolutions.com

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 2

Eye irritation : Category 2A

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
 P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
 No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting equip-  
 ment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P264 Wash skin thoroughly after handling.  
 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.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

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 + P235 Store in a well-ventilated place. Keep cool.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

| CAS-No. | Chemical name     | Weight percent |
|---------|-------------------|----------------|
| 64-17-5 | Ethanol           | 90 - 100       |
| 67-63-0 | Isopropyl alcohol | 1 - 5          |

Any Concentration shown as a range is due to batch variation.

Synonyms : UNOCAL 15262000, SDA 3C 200 PROOF

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not induce vomiting without medical advice.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

|                                               |                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               | Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical<br>Water mist                                                                                                                                                                                                                                                           |
| Unsuitable extinguishing media                | : High volume water jet                                                                                                                                                                                                                                                                                                   |
| Specific hazards during fire-fighting         | : Do not allow run-off from fire fighting to enter drains or water courses.                                                                                                                                                                                                                                               |
| Hazardous combustion products                 | : Carbon oxides                                                                                                                                                                                                                                                                                                           |
| Specific extinguishing methods                | : Use a water spray to cool fully closed containers.                                                                                                                                                                                                                                                                      |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.                                                                                                                                                                                                                                                  |

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                                                                     |                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.                   |
| Environmental precautions                                           | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities.                                         |
| Methods and materials for containment and cleaning up               | : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). |

#### SECTION 7. HANDLING AND STORAGE

|                                                 |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : Do not spray on a naked flame or any incandescent material.<br>Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition. |
| Advice on safe handling                         | : Avoid formation of aerosol.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Take precautionary measures against static discharges.                                                                     |

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

Conditions for safe storage : Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.  
: No smoking.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

| CAS-No. | Components        | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis     |
|---------|-------------------|----------------------------------|------------------------------------------------|-----------|
| 64-17-5 | Ethanol           | TWA                              | 1,000 ppm                                      | ACGIH     |
|         |                   | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>           | NIOSH REL |
|         |                   | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>           | OSHA Z-1  |
|         |                   | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>           | OSHA P0   |
|         |                   | STEL                             | 1,000 ppm                                      | ACGIH     |
|         |                   | PEL                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>           | CAL PEL   |
| 67-63-0 | Isopropyl alcohol | TWA                              | 200 ppm                                        | ACGIH     |
|         |                   | STEL                             | 400 ppm                                        | ACGIH     |
|         |                   | TWA                              | 400 ppm<br>980 mg/m <sup>3</sup>               | NIOSH REL |
|         |                   | ST                               | 500 ppm<br>1,225 mg/m <sup>3</sup>             | NIOSH REL |
|         |                   | TWA                              | 400 ppm<br>980 mg/m <sup>3</sup>               | OSHA Z-1  |
|         |                   | TWA                              | 400 ppm<br>980 mg/m <sup>3</sup>               | OSHA P0   |
|         |                   | STEL                             | 500 ppm<br>1,225 mg/m <sup>3</sup>             | OSHA P0   |
|         |                   | PEL                              | 400 ppm<br>980 mg/m <sup>3</sup>               | CAL PEL   |
|         |                   | STEL                             | 500 ppm<br>1,225 mg/m <sup>3</sup>             | CAL PEL   |

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

|                          |                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Eye protection           | : Eye wash bottle with pure water<br>Tightly fitting safety goggles                                                                     |
| Skin and body protection | : Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Hygiene measures         | : Wash hands before breaks and at the end of workday.                                                                                   |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                             |                                              |
|---------------------------------------------|----------------------------------------------|
| Appearance                                  | : liquid                                     |
| Colour                                      | : colourless, clear                          |
| Odour                                       | : alcohol-like                               |
| Odour Threshold                             | : No data available                          |
| pH                                          | : No data available                          |
| Freezing Point (Melting point/range)        | : -114 °C (-173 °F)                          |
| Boiling Point (Boiling point/boiling range) | : 74 - 80 °C (165 - 176 °F)                  |
| Flash point                                 | : 13 °C (55 °F)<br>Method: Tag closed cup    |
| Evaporation rate                            | : No data available                          |
| Flammability (solid, gas)                   | : No data available                          |
| Upper explosion limit                       | : 20 %(V)                                    |
| Lower explosion limit                       | : 3.3 %(V)                                   |
| Vapour pressure                             | : 39.75 mmHg @ 19 °C (66 °F)                 |
| Relative vapour density                     | : Estimated 1.6                              |
| Relative density                            | : 0.79 @ 20 °C (68 °F)                       |
| Density                                     | : 0.79 g/cm <sup>3</sup> @ 15.5 °C (59.9 °F) |
| Solubility(ies)                             |                                              |
| Water solubility                            | : soluble                                    |
| Solubility in other solvents                | : No data available                          |
| Partition coefficient: n-octanol/water      | : No data available                          |
| Auto-ignition temperature                   | : 400 °C                                     |
| Thermal decomposition                       | : No data available                          |

## SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                            |
|------------------------------------|----------------------------------------------------------------------------|
| Reactivity                         | : No dangerous reaction known under conditions of normal use.              |
| Chemical stability                 | : Stable under normal conditions.                                          |
| Possibility of hazardous reactions | : Vapours may form explosive mixture with air.                             |
| Conditions to avoid                | : Extremes of temperature and direct sunlight.<br>Heat, flames and sparks. |

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

|                                  |                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Incompatible materials           | : Aldehydes<br>Alkali metals<br>Ammonia<br>Chlorine<br>Ethylene oxide<br>halogens<br>isocyanates<br>Oxidizing agents<br>peroxides<br>Strong acids |
| Hazardous decomposition products | : carbon dioxide and carbon monoxide                                                                                                              |

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Components:

##### **64-17-5:**

Acute oral toxicity : LD50 (Rat): 7,060 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : Remarks: No data available

### Serious eye damage/eye irritation

#### Components:

##### **64-17-5:**

Species: Rabbit  
Result: Irritating to eyes.

##### **67-63-0:**

Species: Rabbit  
Result: Irritating to eyes.

### Carcinogenicity

#### **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 on OSHA's list of regulated carcinogens.

#### **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.

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

#### STOT - single exposure

##### Components:

###### **67-63-0:**

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

#### Further information

##### Product:

Remarks: Solvents may degrease the skin.

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## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

###### **64-17-5:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 15,300 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

Toxicity to daphnia and other : EC50 (Ceriodaphnia dubia): 5,012 mg/l  
aquatic invertebrates Exposure time: 48 h  
Test Type: static test

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test

#### 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 Protection 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).

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

Additional ecological information : No data available

#### SECTION 13. DISPOSAL CONSIDERATIONS

##### Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

#### SECTION 14. TRANSPORT INFORMATION

##### DOT (Department of Transportation):

UN1170, Ethanol, 3, II

##### IATA (International Air Transport Association):

UN1170, Ethanol, 3, II

##### IMDG (International Maritime Dangerous Goods):

UN1170, ETHANOL, 3, II, Flash Point:13 °C(55 °F)

#### SECTION 15. REGULATORY INFORMATION

**WHMIS Classification** : B2: Flammable liquid  
D2B: Toxic Material Causing Other Toxic Effects

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

##### CERCLA Reportable Quantity

| Components   | CAS-No. | Component RQ (lbs) | Calculated product RQ (lbs) |
|--------------|---------|--------------------|-----------------------------|
| Acetaldehyde | 75-07-0 | 1000               | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

- 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

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

75-07-0 Acetaldehyde

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

75-07-0 Acetaldehyde

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

64-17-5 Ethanol  
67-63-0 Isopropyl alcohol  
75-07-0 Acetaldehyde  
71-23-8 n-Propanol

#### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

75-07-0 Acetaldehyde

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

75-07-0 Acetaldehyde

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

#### Massachusetts Right To Know

64-17-5 Ethanol  
67-63-0 Isopropyl alcohol  
75-07-0 Acetaldehyde

#### Pennsylvania Right To Know

64-17-5 Ethanol  
7732-18-5 Water  
67-63-0 Isopropyl alcohol  
75-07-0 Acetaldehyde

#### California Prop 65

 **WARNING:** This product can expose you to chemicals including Acetaldehyde, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### 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
- NZIoC : Not in compliance with the inventory

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

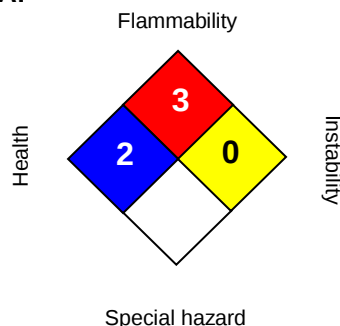
Version 1.6

Revision Date: 04/09/2025

|       |                                                         |
|-------|---------------------------------------------------------|
| ENCS  | : Not 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 |

#### SECTION 16. OTHER INFORMATION

##### NFPA:



##### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 2 |
| FLAMMABILITY    | 3 |
| PHYSICAL HAZARD | 0 |

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

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date : 04/09/2025

Legacy SDS: : R0189226

##### Material number:

16225056, 16189566, 16185544, 16173417, 16167610, 16166969, 16154742, 16150285, 16140149, 16140477, 16141772, 16121508, 16109799, 16071538, 16071372, 689633, 605247, 601895, 588976, 556874, 145653, 146692, 117965, 116929, 82452, 160311, 114520, 81758, 146617

| Key or legend to abbreviations and acronyms used in the safety data sheet |                                                         |       |                                      |
|---------------------------------------------------------------------------|---------------------------------------------------------|-------|--------------------------------------|
| ACGIH                                                                     | American Conference of Government Industrial Hygienists | LD50  | Lethal Dose 50%                      |
| AIC                                                                       | Australian Inventory of Industrial Chemicals            | LOAEL | Lowest Observed Adverse Effect Level |

## Safety Data Sheet

### Ethanol SDA 3C 200 Proof

Version 1.6

Revision Date: 04/09/2025

|        |                                                          |       |                                                                                      |
|--------|----------------------------------------------------------|-------|--------------------------------------------------------------------------------------|
| DSL    | Canada, Domestic Substances List                         | NFPA  | National Fire Protection Agency                                                      |
| NDSL   | Canada, Non-Domestic Substances List                     | NIOSH | National Institute for Occupational Safety & Health                                  |
| CNS    | Central Nervous System                                   | NTP   | National Toxicology Program                                                          |
| CAS    | Chemical Abstract Service                                | NZIoC | New Zealand Inventory of Chemicals                                                   |
| EC50   | Effective Concentration                                  | NOAEL | No Observable Adverse Effect Level                                                   |
| EC50   | Effective Concentration 50%                              | NOEC  | No Observed Effect Concentration                                                     |
| EGEST  | EOSCA Generic Exposure Scenario Tool                     | OSHA  | Occupational Safety & Health Administration                                          |
| EOSCA  | European Oilfield Specialty Chemicals Association        | PEL   | Permissible Exposure Limit                                                           |
| EINECS | European Inventory of Existing Chemical Substances       | PICCS | Philippines Inventory of Commercial Chemical Substances                              |
| MAK    | Germany Maximum Concentration Values                     | PRNT  | Presumed Not Toxic                                                                   |
| GHS    | Globally Harmonized System                               | RCRA  | Resource Conservation Recovery Act                                                   |
| >=     | Greater Than or Equal To                                 | STEL  | Short-term Exposure Limit                                                            |
| IC50   | Inhibition Concentration 50%                             | SARA  | Superfund Amendments and Reauthorization Act.                                        |
| IARC   | International Agency for Research on Cancer              | TLV   | Threshold Limit Value                                                                |
| IECSC  | Inventory of Existing Chemical Substances in China       | TWA   | Time Weighted Average                                                                |
| ENCS   | Japan, Inventory of Existing and New Chemical Substances | TSCA  | Toxic Substance Control Act                                                          |
| KECI   | Korea, Existing Chemical Inventory                       | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <=     | Less Than or Equal To                                    | WHMIS | Workplace Hazardous Materials Information System                                     |
| LC50   | Lethal Concentration 50%                                 |       |                                                                                      |