

SAFETY DATA SHEET

SDA 3-A 200 Proof Ethanol

SECTION 1. IDENTIFICATION

Product identifier	SDA 3-A 200 Proof Ethanol
Other identifiers	Specially Denatured Alcohol Formula 3-A; SDA 3-A; ethanol denatured with methanol
Recommended use	Industrial solvent and ingredient where legally permitted.
Restrictions on use	Not for beverage, food, drug, household or human consumption. Subject to federal alcohol and denaturant requirements.
Distributor / responsible party	Solvents USA 9436 W Lake Mead Blvd., Suite 5-1216 Las Vegas, NV 89134, USA
Business telephone	708-280-1184
24-hour emergency telephone	CHEMTREC: 800-424-9300 (United States/Canada)

SECTION 2. HAZARD(S) IDENTIFICATION

OSHA HCS classification	Flammable liquid - Category 2 Serious eye irritation - Category 2 Specific target organ toxicity, single exposure - Category 1 (central nervous system and optic nerve)
Signal word	DANGER
Hazard statements	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H370 Causes damage to organs (central nervous system and optic nerve) by inhalation.



FLAME



EXCLAMATION



HEALTH HAZARD

Prevention	Keep away from heat, sparks, flames and hot surfaces. No smoking. Keep container tightly closed. Ground and bond containers and transfer equipment. Use explosion-proof equipment and non-sparking tools. Prevent static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves and eye/face protection.
Response	IF ON SKIN (or hair): Remove contaminated clothing and rinse with water/shower. IF IN EYES: Rinse cautiously with water for several minutes; remove contacts if easy and continue rinsing. If irritation persists, obtain medical attention. IF EXPOSED OR CONCERNED: Immediately call a poison center or doctor. In case of fire use alcohol-resistant foam, dry chemical, carbon dioxide or water fog.
Storage	Store locked up in a cool, well-ventilated place. Keep tightly closed.
Disposal	Dispose under applicable federal, state and local requirements.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ethyl alcohol	95.24 wt% CAS 64-17-5
Methyl alcohol (methanol)	4.76 wt% CAS 67-56-1
Important	This SDA 3-A formulation is not interchangeable with SDA 40-B. Confirm the formula and COA for each shipment.

SECTION 4. FIRST-AID MEASURES

Inhalation	Move to fresh air. Immediately call a poison center or physician if exposed, concerned or symptomatic. Give oxygen or artificial respiration only by trained personnel.
Skin contact	Remove contaminated clothing and rinse skin with water/shower. Methanol can be absorbed through skin. Obtain medical attention if exposure is significant or symptoms occur.
Eye contact	Immediately flush with water for at least 15 minutes. Remove contacts if easy and continue rinsing. Obtain medical attention if irritation persists.
Ingestion	Immediately call a poison center or physician. Rinse mouth. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.
Important symptoms	Headache, dizziness, narcosis, impaired motor function, coughing and severe eye irritation. Methanol exposure may cause metabolic acidosis, systemic poisoning, visual disturbance, optic nerve injury, blindness or death; symptoms may be delayed.
Medical treatment	Treat symptomatically and supportively. Suspected methanol poisoning requires urgent medical evaluation and specific clinical management.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable media	Alcohol-resistant foam, dry chemical powder, carbon dioxide, water spray or fog.
Unsuitable media	Do not use a direct solid water jet.
Specific hazards	Highly flammable. Vapors may form explosive mixtures, travel and flash back. Combustion can produce carbon oxides.
Firefighter protection	Wear positive-pressure SCBA and full protective clothing. Cool exposed containers from a protected position.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Evacuate unnecessary personnel. Eliminate ignition sources. Approach from upwind. Ventilate. Avoid breathing vapor and skin contact. Use grounded, non-sparking equipment and Section 8 protection.
Environmental precautions	Prevent entry into drains, waterways, basements and confined spaces. Notify authorities when required.
Containment/cleanup	Stop leak if safe. Dike large spills. Absorb with dry sand, earth or other noncombustible material and place in closed, labeled containers.

SECTION 7. HANDLING AND STORAGE

Safe handling	Use closed systems and adequate ventilation. Ground and bond containers, tanks, piping and transfer equipment. Avoid splash filling and static accumulation. Do not use compressed air. Empty containers retain flammable and toxic vapor.
Storage	Store locked in a cool, dry, well-ventilated flammable-liquid area away from oxidizers, strong acids and ignition sources. Keep tightly closed and upright. Protect drums and totes from damage.
Tanker/cargo tank transfer	Only trained personnel may load or unload. Verify product, capacity, hoses, valves and connections. Bond and ground, set brakes, chock wheels, attend continuously and prevent overfill.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ethanol	OSHA PEL and NIOSH REL: 1,000 ppm TWA. ACGIH STEL: 1,000 ppm.
Methanol	OSHA PEL: 200 ppm TWA. ACGIH/NIOSH: 200 ppm TWA and 250 ppm STEL; skin notation. ACGIH BEI: 15 mg/L methanol in urine (consult current BEI documentation).
Engineering controls	Use process enclosure and explosion-proof local exhaust to maintain exposures below applicable limits. Provide eyewash and safety shower. Monitor methanol vapor for bulk operations.
Eye/face	Chemical splash goggles; face shield where splashing is possible.
Hands/skin	Chemical-resistant gloves and clothing selected using manufacturer permeation data. Methanol can penetrate skin; change contaminated PPE promptly.
Respiratory	Use a NIOSH-approved respirator under a compliant program when controls are insufficient; use positive-pressure SCBA for unknown or IDLH conditions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state / color	Clear liquid; invisible vapor
Odor / threshold	Not available
Melting/freezing point	-144 C (-227.2 F)
Boiling point	77.1 C (170.78 F) at 760 mm Hg
Flammability	Highly flammable liquid and vapor
Flammability limits	Ethanol: 3.3-19 vol%; methanol: 6-36 vol%
Flash point	13 C (55.4 F), closed cup
Auto-ignition	363 C (685.4 F), ethanol
Decomposition temperature	No data available
pH	No data available
Viscosity	No data available
Water solubility	Completely soluble
Partition coefficient	No data available
Vapor pressure	5.99 kPa at 20 C (ethanol)
Evaporation rate	3.2 (butyl acetate = 1)
Density	6.61 lb/gal at 15.56 C
Relative vapor density	1.6 (air = 1)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Stable and non-reactive under normal conditions.
Stability	Stable; vapor may form explosive mixtures with air.
Hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Heat, flames, sparks, static discharge, temperatures above flash point and incompatible materials.
Incompatible materials	Strong oxidizing agents and strong inorganic acids.
Decomposition products	Carbon oxides may form during combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely routes	Inhalation, ingestion, skin absorption and eye contact.
Acute effects	Causes serious eye irritation and organ damage by inhalation. Methanol may be harmful if swallowed or absorbed through skin.
Methanol effects	Systemic poisoning, metabolic acidosis, visual disturbance, optic nerve damage, blindness, CNS depression and death may occur. Effects can be delayed.
Skin	Prolonged contact may irritate; methanol can be absorbed through skin.
Sensitization/mutagenicity	Not classified based on source information.
Carcinogenicity	Not classified based on source information.
Reproductive toxicity	Source mixture SDS does not classify the product, but methanol is listed by California as a developmental toxicant.
STOT	Single exposure Category 1: central nervous system and optic nerve, by inhalation. Repeated exposure not classified by source.
Aspiration hazard	Not classified.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	Not classified as environmentally hazardous based on source mixture information; large or frequent releases may still cause harm.
Persistence/degradability	No mixture-specific data reported.
Bioaccumulation	No mixture-specific data reported.
Mobility	Completely water soluble; expected to be mobile in soil and water.

SECTION 13. DISPOSAL CONSIDERATIONS

Recover or recycle where feasible. Dispose through an authorized contractor. Unused product may exhibit RCRA ignitability (D001); the generator must make the final determination. Methanol content must be considered. Empty drums, totes and cargo tanks may retain flammable and toxic vapor; do not cut, weld, drill, grind, pressurize or reuse unless properly cleaned and gas-free.

SECTION 14. TRANSPORT INFORMATION

U.S. DOT	UN1987, Alcohols, n.o.s. (ethyl alcohol; methyl alcohol), 3, PG II.
IATA/ICAO	UN1987, Alcohols, n.o.s. (ethyl alcohol; methyl alcohol), 3, PG II; ERG Code 3L.
IMDG	UN1987, ALCOHOLS, N.O.S. (ethyl alcohol; methyl alcohol), 3, PG II; marine pollutant: No; EmS F-E, S-D.
Packaging precautions	Drums, totes/IBCs and highway cargo tanks must be authorized, compatible, closed, marked, labeled/placarded and documented under current modal requirements.

SECTION 15. REGULATORY INFORMATION

OSHA HCS	Hazardous chemical under 29 CFR 1910.1200.
CERCLA	Methanol (CAS 67-56-1) is listed. Evaluate reportable quantities for any release.
EPCRA 311/312	Flammable; serious eye irritation; specific target organ toxicity.
EPCRA 313	Methanol, CAS 67-56-1, reported at 4.76 wt% in the source SDS.
Clean Air Act	Methanol is listed as a hazardous air pollutant.
TSCA	Reported ingredients are listed on the TSCA Inventory.
Alcohol regulation	SDA 3-A is specially denatured alcohol. Distribution and use may be subject to Alcohol and Tobacco Tax and Trade Bureau requirements and permit restrictions.
California Proposition 65	WARNING: This product can expose you to methanol, which is known to the State of California to cause birth defects or other reproductive harm. See www.P65Warnings.ca.gov .

SECTION 16. OTHER INFORMATION

Preparation date	July 24, 2026
Revision	1.0 - Initial updated Solvents USA issue
Primary source	Source SDS issue date June 18, 2018, Version 01
HMIS reference	Health 4 Flammability 3 Physical hazard 0 (source rating)

Distributor statement: Solvents USA distributes this product by direct shipment and does not manufacture, blend, handle or warehouse it.

Information is intended for hazard communication and is not a specification or warranty. Confirm formula, assay, current exposure limits and source-specific classification before release. Qualified regulatory approval is recommended.

END OF SAFETY DATA SHEET