SAFETY DATA SHEET
SDA 40-B 200 Proof Ethanol

SECTION 1. IDENTIFICATION

Product identifier	SDA 40-B 200 Proof Ethanol
Other identifiers	Specially Denatured Alcohol Formula 40-B; SDA 40-B; denatured ethanol
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 Skin irritation - Category 2 Eye irritation - Category 2 Acute toxicity, inhalation - Category 4 Specific target organ toxicity, single exposure - Category 3 (respiratory irritation and narcotic effects)
Signal word	**DANGER**
Hazard statements	H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

FLAME

EXCLAMATION

Prevention	Keep away from heat, sparks, flames and hot surfaces. No smoking. Keep tightly closed. Ground and bond containers and transfer equipment. Use explosion-proof equipment and non-sparking tools. Prevent static discharge. Avoid breathing vapor/mist. Wash thoroughly after handling. Use with adequate ventilation. Wear protective gloves, clothing and eye/face protection.
Response	IF ON SKIN (or hair): Remove contaminated clothing and rinse skin with water/shower. IF INHALED: Move to fresh air and call a poison center/doctor if unwell. IF IN EYES: Rinse cautiously with water, remove contacts if easy and continue rinsing. If irritation persists, obtain medical advice. In case of fire: Use alcohol-resistant foam, dry chemical, carbon dioxide or water fog.
Storage	Store in a well-ventilated place. Keep cool and tightly closed. Store locked where required.
Disposal	Dispose under applicable federal, state and local requirements.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Ethyl alcohol: 99.875% (CAS 64-17-5) tert-Butyl alcohol: 0.125% (CAS 75-65-0) Denatonium benzoate: reported as 0.0625 in the source composition table (CAS 3734-33-6); confirm the unit and actual concentration against the denaturing formula/COA before release.
Important	The two proofs are separate formulations. Use the correct SDS, product specification and COA for each shipment.

SECTION 4. FIRST-AID MEASURES

Inhalation	Move to fresh air. If symptoms persist, obtain medical attention. Give oxygen or artificial respiration only by trained personnel.
Skin contact	Remove contaminated clothing and wash skin with soap and water. Obtain medical attention if irritation persists.
Eye contact	Rinse cautiously with water for at least 15 minutes. Remove contacts if easy and continue rinsing. Obtain medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Contact a poison center/doctor.
Symptoms/effects	Eye irritation; possible skin and respiratory irritation; headache, dizziness, fatigue, nausea, vomiting, incoordination or unconsciousness at high exposure.
Medical treatment	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable media	Alcohol-resistant foam, dry chemical, carbon dioxide, water spray or fog.
Unsuitable media	Do not use a direct solid water stream.
Specific hazards	Highly flammable. Vapor may form explosive mixtures, travel and flash back. Containers may rupture when heated. Combustion produces carbon monoxide and carbon dioxide.
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. Ventilate. Approach from upwind. Use non-sparking, grounded 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 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 vapor; do not cut, weld, drill, grind or pressurize.
Storage	Store in a cool, dry, well-ventilated flammable-liquid area away from oxidizers and ignition sources. Keep tightly closed and upright. Protect drums and totes from damage. Follow NFPA 30, NFPA 77 and fire codes.
Tanker/cargo tank transfer	Only trained personnel may load or unload. Verify product, capacity, hoses, valves, connections and bonding/grounding. Set brakes, chock wheels and attend continuously. Prevent overfill and static discharge.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ethanol OSHA PEL	1,000 ppm (1,900 mg/m3), 8-hour TWA.
Ethanol NIOSH / ACGIH	NIOSH REL 1,000 ppm TWA; IDLH 3,300 ppm. ACGIH STEL 1,000 ppm.
tert-Butyl alcohol	Source SDS: OSHA/ACGIH 100 ppm TWA. Confirm current applicable limits.
Engineering controls	Use closed systems and explosion-proof exhaust. Provide eyewash and safety shower. Consider vapor monitoring for bulk operations.
Eye/face	Chemical splash goggles; face shield where splashing is possible.
Hands/skin	Chemical-resistant gloves and protective clothing selected using manufacturer permeation data.
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, bright colorless liquid
Odor / threshold	Characteristic alcohol odor; threshold unavailable
Melting/freezing point	No product data available
Boiling range	75-77 C (167-172 F)
Flammability	Highly flammable liquid and vapor; Class IB
Flammability limits	Lower 4.3 vol%; upper not available in source
Flash point	4 C (40 F), Tag closed cup; source identifies lowest component
Auto-ignition	371 C (700 F), source SDS
Decomposition temperature	No data available
pH	No data available / not applicable
Kinematic viscosity	No data available
Water solubility	Miscible
Partition coefficient	No product data available
Vapor pressure	44 mm Hg at 20 C
Evaporation rate	Not available
Density / specific gravity	0.793 g/cm3; specific gravity 0.794 at 20 C
Relative vapor density	1.6 (air = 1)
Particle characteristics	Not applicable - liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity	May react violently with very strong oxidizers.
Stability	Stable under recommended conditions.
Hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Heat, flames, sparks, static discharge and incompatible materials.
Incompatible materials	Strong oxidizers, strong mineral acids and aluminum at elevated temperatures.
Decomposition products	Carbon monoxide, carbon dioxide and irritating vapor during combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely routes	Inhalation, ingestion, skin and eye contact.
Acute effects	Eye irritation; high vapor concentrations may irritate the respiratory tract and cause headache, dizziness, fatigue, nausea, vomiting and CNS depression.
Skin	Repeated contact may cause drying, cracking or dermatitis.
Acute toxicity	Mixture is not classified for acute toxicity in the 190-proof source. The 200-proof source classifies harmful by inhalation, driven by its formulation/source assessment.
Sensitization/mutagenicity	Not classified based on source information.
Carcinogenicity	Not classified for normal occupational handling. IARC/NTP conclusions concerning alcoholic beverage consumption do not establish industrial inhalation carcinogenicity.
Reproductive toxicity	Not classified for intended industrial use based on source information.
STOT	190 proof: not classified by source. 200 proof: Category 3 respiratory irritation and narcotic effects by source.
Aspiration hazard	Not classified based on source information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	Not classified as hazardous to the aquatic environment based on available mixture information.
Persistence/degradability	Ethanol is readily biodegradable.
Bioaccumulation	Low potential, based primarily on ethanol.
Mobility	Volatile and water soluble; expected to partition to air 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. Prevent release to drains and waterways. Empty drums, totes and cargo tanks may retain flammable vapor; do not cut, weld, drill, grind, pressurize or reuse unless properly cleaned and gas-freed.

SECTION 14. TRANSPORT INFORMATION

U.S. DOT	UN1170, Ethanol solution, 3, PG II; Emergency Response Guide 127.
TDG (Canada)	UN1170, ETHANOL SOLUTION, 3, PG II.
IATA/ICAO	UN1170, Ethanol solution, 3, PG II. Current packing instructions and quantity limits apply.
IMDG	UN1170, ETHANOL SOLUTION, 3, PG II; marine pollutant: No.
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

EPCRA 311/312	Hazard categories include flammable and eye irritation; the 200-proof source also identifies skin irritation, acute inhalation toxicity and STOT single exposure.
EPCRA 313	No listed ingredient reported above applicable de minimis concentration in the source SDS.
RCRA	Unused product may be characteristic hazardous waste D001.
TSCA	Reported ingredients are listed on the TSCA inventory.
Alcohol regulation	SDA 40-B is specially denatured alcohol. Manufacture, distribution and use may be subject to Alcohol and Tobacco Tax and Trade Bureau requirements and permit restrictions.
California Proposition 65	Source SDSs report no listed chemicals at reportable concentrations. Confirm actual denaturant and impurity profile.

SECTION 16. OTHER INFORMATION

Preparation date	July 24, 2026
Revision	1.0 - Initial updated Solvents USA issue
Primary source	Source SDS dated April 7, 2020 (file labeled October 2025)
NFPA 704 (reference)	Use site-assigned rating based on current verified formulation

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 denaturing formula, assay and source-specific classification before release. Qualified regulatory approval is recommended.

END OF SAFETY DATA SHEET