

SECTION 1 — IDENTIFICATION

Product identifier	SDA 40B Ethanol 200 Proof
Veriscents SKU	SDA-40B
Chemical name	Ethanol, specially denatured to Formula SDA 40B
Synonyms	SDA 40B, 200 proof; denatured ethanol; specially denatured alcohol 40B; perfumer's alcohol
Denaturants	tert-Butyl alcohol and denatonium benzoate
CAS No.	64-17-5 (ethanol)
EC No.	200-578-6 (ethanol)
Recommended use	Solvent and diluent for fragrance compounding. Supplied as a raw material for use by trained or informed users.
Restrictions on use	Denatured. Not for food, drug, beverage, or medicinal use. Not for human consumption under any circumstances.
Supplier	Veriscents 30 N. Gould Street Sheridan, WY 82801 United States
Telephone	+1 877.863.7700
E-mail	support@veriscents.com
Web	veriscents.com
Regulatory contact	Regulatory Officer
Emergency telephone	+1 800.222.1222 — Poison Help (US national poison control) Staffed 24 hours a day, 7 days a week; routes to the caller's regional poison center. Provides medical advice on human exposure. For a spill, fire, or transport incident, contact emergency services on 911.

Note on this document

Veriscents supplies this material as a repackager. This document is issued by Veriscents and describes the material as supplied by Veriscents. It is derived from the manufacturer's safety data sheet together with published regulatory data. See Section 16.

SECTION 2 — HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

This material is considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Flammable liquid	Category 2
Serious eye damage / eye irritation	Category 2A

Label elements



Signal word: Danger

Hazard statements

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

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating and lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash hands, forearms and exposed areas thoroughly after handling.
P280 Wear protective gloves, protective clothing, and eye or face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water 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.

P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents and container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

None identified.

Flammability is the controlling hazard

This is the most flammable material in the Veriscents range. Its flash point is 58 °F (14 °C) — below normal room temperature, so it gives off ignitable vapour at ordinary working temperatures. Vapour is heavier than air, pools at low level, and can travel a considerable distance to an ignition source and flash back. Ground and bond containers before transferring, keep it away from every ignition source including electrical equipment that is not explosion-proof, and treat apparently empty containers as still hazardous.

Denatured — not potable

This ethanol is specially denatured to Formula SDA 40B with tert-butyl alcohol and denatonium benzoate. Denatonium benzoate is intensely bitter and is added specifically to make the material undrinkable; tert-butyl alcohol is toxic. Despite the “200 proof” designation, this material is not a beverage alcohol and must never be consumed, offered for consumption, or used in any product intended to be swallowed.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Mixture.

Component	Synonyms	CAS No.	Concentration
Ethanol	Ethyl alcohol; EtOH	64-17-5	95 – 100%
tert-Butyl alcohol	t-Butanol; TBA	75-65-0	≤ 0.125%
Denatonium benzoate	Bitrex	3734-33-6	≤ 0.125%

The two minor components are the denaturants required by the SDA 40B formula. The manufacturer's sheet gives an incorrect synonym for denatonium benzoate; the entry above has been corrected.

SECTION 4 — FIRST-AID MEASURES

Inhalation	Move the person away from the source of contamination and into fresh air. If breathing is difficult, get medical attention.
Skin contact	Take off immediately all contaminated clothing. Rinse the skin with water or shower. If irritation is experienced, flush with water. Get medical attention if irritation develops and persists.
Eye contact	Flush the eyes immediately with water for at least 15 minutes, holding the eyelids open. Remove contact lenses if present and easy to do, then continue rinsing. Get medical attention if symptoms persist.
Ingestion	Rinse the mouth. Do NOT induce vomiting. Get medical advice or attention.

Most important symptoms and effects

Headache; coughing. Serious eye irritation, with stinging, tearing, redness, swelling and blurred vision.

Notes to physician

Provide general supportive measures and treat symptomatically. For thermal burns, flush with water immediately and continue flushing during transport to hospital, removing clothing that does not adhere to the affected area. Keep the person under observation; symptoms may be delayed.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable extinguishing media	Alcohol-resistant foam, dry chemical powder, carbon dioxide, or water fog.
Unsuitable extinguishing media	Do not use a water jet — it will spread the fire.
Specific hazards	Highly flammable liquid and vapour. Vapours may form explosive mixtures with air and may travel a considerable distance to an ignition source and flash back. Gases hazardous to health may form during a fire; combustion products may include carbon oxides.
Protective equipment for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn. Do not breathe fumes. Move containers from the fire area if this can be done without risk, and use water spray to keep fire-exposed containers cool.

Property	Value
Flash point	58 °F (14 °C) — closed cup
Auto-ignition temperature	685 °F (363 °C) — ethanol
Explosive limits in air	Lower 3.30% · Upper 19%

Property	Value
NFPA 704	Health 2 · Flammability 3 · Instability 0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions	Do not inhale vapour, mist or gas. Ensure adequate ventilation and remove all sources of ignition. Evacuate personnel to a safe area. Beware of vapour accumulating to explosive concentrations, particularly in low-lying areas.
Environmental precautions	Stop the leak. Contain the spill if it is safe to do so. Prevent the product entering drains.
Containment and clean-up	Absorb spilled liquid in a suitable non-flammable inert material such as clay, vermiculite, or diatomaceous earth. Place in a container for disposal in accordance with local and national regulations.
Reference to other sections	See also Sections 8 and 13.

SECTION 7 — HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat, sparks and flame. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before moving material. Use explosion-proof electrical, ventilating, lighting and material-handling equipment. Handle empty containers with care, as residual vapour is flammable. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage

Keep the container in a cool, well-ventilated area, tightly closed and sealed until ready for use. Avoid all possible sources of ignition. Keep away from incompatible materials — see Section 10. Observe the quantity limits for flammable liquid storage that apply to your premises.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

Component	Source	Type	Value
Ethanol	OSHA Table Z-1 (29 CFR 1910.1000)	PEL-TWA	1,000 ppm (1,900 mg/m ³)
Ethanol	ACGIH	STEL	1,000 ppm
Ethanol	NIOSH	TWA	1,000 ppm (1,900 mg/m ³)
Ethanol	NIOSH	IDLH	3,300 ppm
tert-Butyl alcohol	OSHA	STEL	150 ppm
tert-Butyl alcohol	ACGIH	TWA	100 ppm (300 mg/m ³)

Engineering controls

Explosion-proof general and local exhaust ventilation. Ventilation rates should be matched to conditions. Where applicable, use process enclosures or local exhaust to hold airborne levels below the recommended exposure limits. Provide an eyewash station and safety shower.

Personal protective equipment

Eye and face protection	Chemical goggles are recommended.
Skin protection	Chemically resistant gloves, selected on the glove supplier's advice. Be aware that the liquid may permeate gloves; frequent changes are advisable. Wear chemically resistant clothing, and thermal protective clothing where necessary.
Body protection	Clothing appropriate to minimise skin exposure.
Respiratory protection	Where engineering controls do not hold airborne concentrations below the recommended exposure limits, an approved respirator must be worn — a chemical respirator with an organic vapour cartridge.
Environmental controls	Avoid discharge to drains, watercourses, or the ground.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Method / conditions
Physical state	Liquid	—
Appearance	Clear	—

SDA 40B Ethanol 200 Proof

Property	Value	Method / conditions
Odour	Ethanolic	—
Odour threshold	No information available	—
pH	No information available	—
Melting / freezing point	-173 °F (-114 °C)	—
Boiling point / range	172.9 °F (78.3 °C)	—
Flash point	58 °F (14 °C)	Closed cup
Evaporation rate	Expected to be rapid	—
Flammability (solid, gas)	Not applicable — liquid	—
Explosive limits in air	Lower 3.30% · Upper 19%	—
Vapour pressure	57.3 hPa at 68 °F (20 °C)	—
Density	0.7974 g/cm ³	Source lists this under vapour density; corrected
Vapour density	No information available	—
Solubility	Soluble in water	—
Partition coefficient n-octanol/water	log Pow -0.32 (ethanol)	—
Auto-ignition temperature	685 °F (363 °C)	—
Decomposition temperature	No information available	—
Viscosity	No information available	—
Molecular formula / weight	C ₂ H ₅ OH · 46.07 g/mol	Ethanol
Oxidising properties	Not oxidising	—

SECTION 10 — STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under the recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixtures with air.
Conditions to avoid	Heat, flames and sparks; extreme temperature; direct sunlight; incompatible materials.
Incompatible materials	Alkali metals, oxidising agents, peroxides.
Hazardous decomposition products	Carbon oxides.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity of components

Component	LD50 oral	LD50 dermal	LC50 inhalation
Ethanol	10,470 mg/kg (rat)	—	117–125 mg/l / 4 h (rat)
tert-Butyl alcohol	2,743 mg/kg (rat)	> 2,000 mg/kg (rabbit)	—
Denatonium benzoate	584 mg/kg (rat)	—	—

Endpoint	Result
Skin corrosion / irritation	May cause irritation, cracking, flaking and defatting of the skin on prolonged contact.
Serious eye damage / irritation	Liquid and vapour may cause irritation. Splashes may cause temporary pain and blurred vision.
Respiratory or skin sensitisation	Not a respiratory sensitiser.
Germ cell mutagenicity	No information available.
Carcinogenicity	No component is listed by IARC, NTP, ACGIH or OSHA.
Reproductive toxicity	Alcohol is a developmental toxin when consumed during pregnancy. This finding concerns beverage consumption, not occupational exposure to the denatured material.

Endpoint	Result
STOT — single exposure	None known.
STOT — repeated exposure	None known.
Chronic effects	No information available.

SECTION 12 — ECOLOGICAL INFORMATION

Aquatic toxicity

Component	Endpoint	Species	Result
Ethanol	EC10 (72 h)	Freshwater algae	11.5 mg/l
	EC50 (72 h)	Freshwater algae	275 mg/l
	LC50 (24 h)	Freshwater fish	11,200 mg/l
	NOEC	Freshwater fish	250 mg/l
	EC50 (48 h)	Freshwater invertebrate	5,012 mg/l
	EC50 (48 h)	Marine invertebrate	857 mg/l
	NOEC (10 d)	Freshwater invertebrate	9.6 mg/l
	NOEC (96 h)	Marine invertebrate	79 mg/l
tert-Butyl alcohol	LC50 (96 h)	Freshwater fish	6,140 mg/l
	EC50 (96 h)	Freshwater algae	1,000 mg/l
Denatonium benzoate	LC50 (96 h)	Freshwater fish	> 1,000 mg/l

Persistence and degradability Readily biodegradable.

Bioaccumulative potential No information available.

Mobility in soil The product is water soluble and may spread in water systems.

PBT and vPvB assessment No information available.

Endocrine disrupting properties No information available.

Other adverse effects No information available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste material Waste generators must determine whether a discarded chemical is classified as hazardous waste, and must consult local, state and federal hazardous waste regulations to ensure complete and accurate classification. Do not discharge to drains or watercourses.

Contaminated packaging Handle empty containers with care; residual vapour is flammable. Dispose of through an approved waste disposal contractor. Do not reuse empty containers for other purposes.

SECTION 14 — TRANSPORT INFORMATION

This material is regulated as dangerous goods for transport by road, rail, sea and air.

Regulation	UN No.	Proper shipping name	Class	PG
US DOT	UN 1987	Alcohols, n.o.s.	3	II
IMDG	UN 1987	Alcohols, n.o.s.	3	II
IATA / ICAO TI	UN 1987	Alcohols, n.o.s.	3	II

Packing Group II. Limited quantity and excepted quantity provisions may apply to small pack sizes; confirm the applicable provisions and any air carrier restrictions before shipping.

Emergency response number and packing group

Because this material is regulated for transport, a shipper offering it must provide an emergency response telephone number meeting 49 CFR 172.604 — monitored at all times the shipment is in transit by a person with knowledge of the hazards or with immediate access to it. The Poison Help line given in Section 1 provides medical advice on human exposure and does not meet that requirement. A chemical emergency response contract (CHEMTREC or equivalent) is required before this material is offered for transport. Note also that Packing Group II flammable liquids attract tighter packaging and quantity limits than the Class 9 materials elsewhere in the range.

SECTION 15 — REGULATORY INFORMATION

US federal	This product is a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
SARA 311/312 hazard categories	Fire hazard; acute health hazard; chronic health hazard.
SARA 313 (TRI reporting)	Listed — tert-butyl alcohol (CAS 75-65-0).
SARA 302 / 304	Not listed; release notification not regulated.
CERCLA (40 CFR 302.4)	Not applicable.
TSCA Section 12(b) export notification	Not applicable.
Clean Air Act § 112 HAPs / § 112(r)	Not regulated.
Safe Drinking Water Act	Not regulated.
OSHA specifically regulated substances	Not regulated under 29 CFR 1910.1001–1053.
State right-to-know	Ethanol (CAS 64-17-5) and tert-butyl alcohol (CAS 75-65-0) are listed on the Massachusetts, New Jersey and Pennsylvania right-to-know substance lists.
FEMA respiratory health priority substances	Listed — ethanol (CAS 64-17-5).
Alcohol and tobacco tax	Specially denatured alcohol is regulated by the TTB under 27 CFR Part 21. Use, storage and recordkeeping obligations may apply to the purchaser; confirm your permit position before resale or use.

California Proposition 65 — scope of the listing

The manufacturer's sheet records ethanol as listed under California Proposition 65. The listings are narrower than that: OEHHA lists "ethyl alcohol in alcoholic beverages" for developmental toxicity, "alcoholic beverages when associated with alcohol abuse" for cancer, and "ethanol in alcoholic beverages" for cancer. None carries a CAS number, and none applies to ethanol as a chemical outside a beverage. Whether a warning is required for this denatured, non-potable material should be confirmed against the current OEHHA list rather than assumed from the source document.

SECTION 16 — OTHER INFORMATION

SDS number	VS-SDA-40B-R10
Version	1.0
Revision date	17 August 2026
Supersedes	None — first issue
Prepared by	Regulatory Officer
Approved by	Regulatory Officer

Full text of hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Sources

This document was prepared from the manufacturer's safety data sheet for this material (issued 4 December 2018, revision 3 dated 9 October 2024) together with published regulatory data. Two transcription errors in the source have been corrected: the CAS numbers given for ethanol and denatonium benzoate in its carcinogenicity table, and a density value recorded under vapour density. The Proposition 65 entry has been restated against the OEHHA list. The source presents its disclaimer as a seventeenth section; it appears below, within Section 16, as the 16-section format admits no Section 17.

Key to revisions

First issue under the Veriscents document system.

Disclaimer

The information in this safety data sheet was obtained from sources believed to be reliable and is provided without warranty, express or implied, as to its correctness or completeness. Because the use, handling, storage and disposal of this product are beyond the control of Veriscents, it is the responsibility of the user to determine safe conditions of use and to assume liability for loss, damage or expense arising from improper use. No warranty is created or inferred by any statement or omission in this document. The information relates only to the material designated and may not be valid where it is used in combination with any other material or in any process. Federal, state, provincial and local regulations concerning the transport, handling, storage, use or disposal of this product may not be reflected here; the user should review those regulations to ensure full compliance.

End of safety data sheet.