

DISTILLERS WAY LLC.

DATE ISSUED 4/08/2020

MATERIALS SAFETY DATA SHEET (MSDS) FOR SDA FORMULA 40-B

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Ethanol SDA 40B 160 Proof
Product Use : Sanitizer

Manufacturer or supplier's details

Company : DISTILLERS WAY LLC.
5235 Industrial Pl. Ferndale, WA 98248

Emergency telephone number:

Health North America:

Transport North America:

Additional : Responsible Party: DISTILLERS WAY LLC.

Information: E-Mail: jesseparker@distillersway.com
SDS Requests: jesseparker@distillersway.com
Website: www.distillersway.com

SECTION 2. HAZARDOUS IDENTIFICATION

GHS Classification

Flammable liquids : Category 2

Eye irritation : Category 2A

Specific target organ : Category 3 (Respiratory system, Central nervous system)
toxicity – single exposure

GHS Label element

Hazardous pictograms



Signal word: Danger

Hazard H225 Highly flammable liquid and vapour.
Statements: H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

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H336 May cause drowsiness or dizziness.

Precautionary Statements: **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 If INHALED: Remove victim to fresh air and keep at rest position comfortable for breathing. Call POSITION CENTER or doctor/ physician if you feel unwell.
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 for extinction.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

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. |
| ACGIH | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| OSHA | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| 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. |

Emergency Overview

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing Media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion Products : No hazardous combustion products are known.
- Specific extinguishing Methods : Use a water spray to cool closed containers.
- Further information : Collect contaminated fire extinguishing water separately.
This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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.

NFPA Flammable and Combustible Liquids Classification:

Flammable Liquid Class IB

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, Protective equipment and Emergency procedures : Ensure adequate ventilation. Remove all sources of ignition.
Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminants rivers and lakes or drains inform respective authorities.
- Method sand materials for containments and cleanup : 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).
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SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid formation of aerosol.
For personal protection, see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhausted in work rooms.
Container may be opened only under exhaust ventilation hood.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : 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 (Form of exposure) | Control parameters/permissible concentration | Basis |
|---------|------------|----------------------------------|--|-----------|
| 64-17-5 | Ethanol | TWA | 1,000 ppm | ACGIH |
| | | TWA | 1,000 ppm 1,900 mg/m ³ | NIOSH REL |
| | | TWA | 1,000 ppm 1,900 mg/m ³ | OSHA Z-1 |
| | | TWA | 1,000 ppm 1,900 mg/m ³ | OSHA P0 |
| | | STEL | 1,000 ppm | ACGIH |

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.
- Eye protection : Eye wash bottle with pure water
: Tightly fitting safety goggles
- Skin and body protection : impervious clothing
Chose body protection according to the amount and concentration of

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The dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Appearance | : liquid |
| Color | : colourless |
| Odor | : alcohol-like, sweet |
| Odor Threshold | : No data available |
| pH | : No data available |
| Freezing Point (Melting Point/range) | : -114.1 °C (-173.4 °F) |
| Boiling Point (Boiling Point/boiling range) | : 79 °C(174 °F) (1013 hPa) |
| Flash point | : 12 °C(54 °F) |
| Evaporation rate | : Expect to be rapid |
| Flammability (solid, gas) | : Not applicable |
| Burning rate | : No data available |
| Upper explosion limit | : 19% (by volume 100% ethanol) |
| Lower explosion limit | : 3.3% (by volume 100% ethanol) |
| Vapor pressure | : 60 hPa@ 20 °C(68 °F) |
| Relative vapor density | : 1.6 |
| Relative density | : 0.789@ 20 °C(68 °F) |
| Density | : 0.816 g/cm ³ @ 20 °C(68 °F) |
| Bulk density | : No data available |
| Solubility(ies) | |
| Water solubility | :completely soluble |
| Other solubilities | :Miscible in many other organic solvents |
| Partition coefficient n-octanol/water | : No data available |
| Auto-ignition temperature | : No data available |
| Thermal decomposition | : No data available |
| Viscosity | : Water thin |

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 | : No hazards to be specially mentioned. |
| Conditions to avoid | : Extremes of temperature and direct sunlight. Heat, flames and sparks |

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Incompatible materials

: Alkali metals
Ammonia
Oxidizing agents
Peroxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Information on likely routes of exposure

Inhalation: Prolonged inhalation may be harmful.

Skin contact: Prolonged skin contact may cause temporary irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Expected to be low ingestion hazard due to denaturant.

Product:

Components:

64-17-5: Ethanol

Aspiration toxicity

Components:

64-17-5:

No aspiration toxicity classification

Further information

Product:

Remarks: solvent may degrease the skin.

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye: Causes serious eye irritation.

Respiratory or skin sensitization:

Not a respiratory sensitizer.

This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity: Not listed. Only drinking of alcoholic beverages is listed.

Denaturing removes that risk. NTP Report on Carcinogens: Not listed.

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OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not regulated.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity - repeated exposure: Not classified.

Aspiration hazard: Not an aspiration hazard.

Chronic effects: Prolonged inhalation may be harmful.

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

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l
End point: Growth rate
Exposure limit: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: No data available

Persistence and degradability

Components:

64-17-5:

Biodegradability : Result: Readily biodegradable

Bioaccumulative potential

Components:

64-17-5:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Mobility in soil

No data available

Other adverse effects

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No data available

Product:

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 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)

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 NEXCO’s Environmental Services Group at 800-637-7922.

Containment packaging : Empty remaining contents.
Dispose of as unused product.
Do not re0use empty containers.
Do not burn, or use as cutting torch on, empty drum.

SECTION 14. TRANSPORT INFORMATION

IATA (International Air Transport Association): UN1170, ETHANOL, 3, II, Flash Point: 12°C(54 °F)

IMDG (International Maritime Dangerous Goods): UN1170, ETHANOL, 3, II

DOT (Department of Transportation): UN1170, ETHANOL, 3, II

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Flammable liquid, Moderate eye irritant, Moderate Respiratory irritant

WHMIS Classification : B2: Flammable liquid

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D2B: Toxic Material Causing Other Toxic Effects

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

CERCLA Reportable Quantity

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

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject
To the reporting requirements of SARA Title III,
Section 302.

SARA 313 : 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 III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). 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 | ≥ 80% |
|-------------|---------|-------|

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

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

US State Regulations

Massachusetts Right To Know

| | | |
|-------------|---------|----------|
| 64 - 17 - 5 | Ethanol | 80 - 95% |
|-------------|---------|----------|

Pennsylvania Right To Know

| | | |
|-------------|---------|----------|
| 64 – 17 - 5 | Ethanol | 80 - 95% |
|-------------|---------|----------|

New Jersey Right To Know

| | | |
|-------------|---------|----------|
| 64 - 17 - 5 | Ethanol | 80 – 95% |
|-------------|---------|----------|

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

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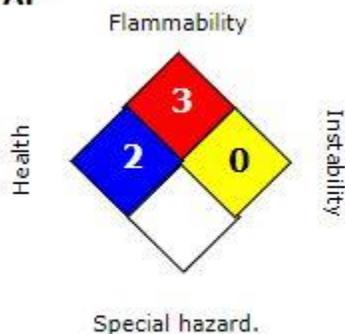
75-07-0

The components of this product are reported in the United States TSCA Inventory

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

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

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

NFPA: HMIS III: The information provided is based on the data we are aware of and is believed to be correct as of the date of creation. 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 of creation, 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 DISTILLERS WAY LLC.

Revision Date: 4/08/2020