



SolVantage TT-I-735 A

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 10/12/2020 Version: 1.0

SECTION 1: Identification

Identification

Product form : Substance
Substance name : SolVantage TT-I-735 A
Product code : 304038

Recommended use and restrictions on use

Use of the substance/mixture : Solvents

Supplier

BHC, Inc.
P.O. Box 270
Indianapolis, IN 46206 - USA
T 1.800.776.7149 - F 317.925.4596

Emergency telephone number

Emergency number : CHEMTREC: 1.800.424.9300 or CHEMTREC (International)
1.703.527.3887

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS-US classification

Flammable liquids, Category 2	Highly flammable liquid and vapour.
Serious eye damage/eye irritation, Category 2	Causes serious eye irritation.
Specific target organ toxicity — Single exposure, Category 3, Narcosis	May cause drowsiness or dizziness.

GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US): Danger
Hazard statements (GHS US): Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary statements (GHS US)

Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof ventilating, lighting, electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist, vapours. Wash hands thoroughly after handling. Use only in a well-ventilated area. Wear protective gloves, eye protection, face protection.

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

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- Storage:** Continue rinsing. Call a POISON CENTER, a doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. In case of fire: Use dry extinguishing powder, foam, carbon dioxide (CO₂) to extinguish.
- Disposal:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.
- Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Other hazards which do not result in classification

No additional information available

Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

Name	Product identifier	Weight (%)
ISOPROPYL ALCOHOL	(CAS-No.) 67-63-0	100

SECTION 4: First-aid measures

Description of first aid measures

- First-aid measures general : Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off immediately all contaminated clothing and wash it before reuse.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Get immediate medical advice/attention.

Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause drowsiness or dizziness.
- Symptoms/effects after eye contact : Eye irritation.

Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Water fog.
- Unsuitable extinguishing media : Do not use a heavy water stream.

Specific hazards arising from the chemical

- Fire hazard : Highly flammable liquid and vapour.

Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Evacuate area. Prevent fire fighting water from entering the environment. In case of fire: stop leak if safe to do so. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe vapours, spray, mist. Avoid contact with skin and eyes. Do not touch spilled material. Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible.
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only in a well-ventilated area. Avoid breathing mist. Avoid contact with skin and eyes.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Incompatible materials : Butyl rubber. Natural rubber. Ethylene-Propylene rubber (EPDM) /. Polystyrene. Aluminium.
Storage area : Detached outside storage is preferable.

SECTION 8: Exposure controls/personal protection

Control parameters

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ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	400 ppm

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OSHA	OSHA PEL (TWA) (mg/m ³)	980
OSHA	OSHA PEL (TWA) (ppm)	400 mppcf
ISOPROPYL ALCOHOL (67-63-0)		
ACGIH	Local name	2-Propanol
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	400 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m ³)	980 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

Hand protection:

Chemically resistant protective gloves. Identify potential areas for indirect skin contact. appropriate long gloves (gauntlets)

Eye protection:

Shall wear safety glasses with side shield or goggles or face shield

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Half face Air-Purifying. Approved supplied air respirator

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Clear, colorless liquid.
: Colourless
: alcohol
Odour threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : 180 K

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Flash point	: 54 °F (12° C)
Relative evaporation rate (butylacetate=1)	: 4
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: 4 kPa at 20 Degrees Celcius
Relative vapour density at 20 °C	: No data available
Relative density	: 0.79 with respect to water
Density	: 790 kg/m ³
Solubility	: Water: Appreciable
Log Pow	: 0.3
Auto-ignition temperature	: 399 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
VOC content	: 784.98 g/l

SECTION 10: Stability and reactivity

Reactivity

No additional information available

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Incompatible materials

Strong oxidizing agents. Aldehydes. alkanolamines. Amines. Caustic products. Chlorinated solvents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ATE US (oral)	>2,000 mg/kg bodyweight
ATE US (dermal)	>2,000 mg/kg bodyweight
ATE US (gases)	>20,000 ppm/4h
ATE US (vapours)	>20 mg/l/4h
ATE US (dust,mist)	>5 mg/l/4h

Skin corrosion/irritation	: Not classified
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Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

ISOPROPYL ALCOHOL (67-63-0)

IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after eye contact	: Eye irritation.

SECTION 12: Ecological information

Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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Persistence and degradability

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Persistence and degradability	Readily biodegradable.
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ISOPROPYL ALCOHOL (67-63-0)

Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.19 g O ₂ /g substance
Chemical oxygen demand (COD)	2.23 g O ₂ /g substance
ThOD	2.4 g O ₂ /g substance

Bioaccumulative potential

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Log Pow	0.3
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ISOPROPYL ALCOHOL (67-63-0)

Log Pow	0.05 (Weight of evidence approach, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log K _{ow} < 4).

Mobility in soil

ISOPROPYL ALCOHOL (67-63-0)

Surface tension	0.021 N/m (25 °C)
Log K _{oc}	0.185 - 0.541 (log K _{oc} , SRC PCKOCWIN v2.0, Calculated value)

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Ecology - soil

Highly mobile in soil.

Other adverse effects

No additional information available

SECTION 13: Disposal considerations

Disposal methods

- Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Product/Packaging disposal recommendations : Empty containers retain product residue and can be hazardous. hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
- Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

US - DOT

- Proper Shipping Name (DOT) : Isopropanol
- UN-No.(DOT) : UN1219
- Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Packing group (DOT) : II - Medium Danger
- Hazard labels (DOT) : Flammable liquid

International shipping – IMDG

- Proper Shipping Name (IMDG) : ISOPROPANOL (ISOPROPYL ALCOHOL)
- UN-No. (IMDG) : 1219
- Class (IMDG) : Flammable liquids

International – IATA

- Proper Shipping Name (IATA) : Isopropanol
- UN-No. (IATA) : 1219
- Proper Shipping Name (IATA) : Isopropanol
- Class (IATA) : 3 - Flammable Liquids
- Packing group (IATA) : II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

ISOPROPYL ALCOHOL (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

15.2. International regulations

CANADA

ISOPROPYL ALCOHOL (67-63-0)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

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National regulations

No additional information available

15.3. US State regulations

Component	State or local regulations
ISOPROPYL ALCOHOL(67-63-0)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.