



STER-AHOL® WIPE

Safety Data Sheet

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

VELTEK ASSOCIATES, INC.

Date of issue: 05/10/2011

Revision date: 06/03/2019

Supersedes: 06/08/2018

Version: 5.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : STER-AHOL® WIPE
 Product code : SDS VEL-039

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Wipe for use on clean room surfaces.
 Restrictions on use : For professional use only

1.3. Supplier

Veltek Associates, Inc.
 15 Lee Blvd
 Malvern, PA 19355-1234 USA
 Telephone: +1 610-644-8335 - Fax: +1 610-644-8336
 E-mail: vai@sterile.com

In Canada distributed by:
 Canada Clean Room (CCR)
 200 Terence Matthews
 Kanata, ONT K2M 2C6, Canada
 Telephone: 888-595-8070

1.4. Emergency telephone number

Emergency number : CARECHEM 24: 1-215-207-0061
 1-866-928-0789 (toll free)
 Canada: 1-800-579-7421 (toll free)
 Mexico: +52-55-5004-8763

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

| | | |
|-------------------------------------------------------------|------|---------------------------------------------------------------|
| Flammable liquids Category 2 | H225 | Highly flammable liquid and vapor |
| Serious eye damage/eye irritation Category 2 | H319 | Causes serious eye irritation |
| Specific target organ toxicity (single exposure) Category 1 | H370 | Causes damage to organs (optic nerve, central nervous system) |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H225 - Highly flammable liquid and vapor
 H319 - Causes serious eye irritation
 H370 - Causes damage to organs (optic nerve, central nervous system)

Precautionary statements (GHS US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P260 - Do not breathe vapors.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P280 - Wear eye protection, protective gloves, protective clothing.
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

STER-AHOL® WIPE

Safety Data Sheet

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

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.
P307+P311 - If exposed: Call a poison center/doctor
P370+P378 - In case of fire: Use alcohol resistant foam, Dry powder, carbon dioxide (CO₂), Water spray to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to an authorized waste collection point

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No additional information available.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|-------------|--------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------|
| Ethanol | (CAS-No.) 64-17-5 | 59 - 65 | Flam. Liq. 2, H225 Eye Irrit. 2A, H319 |
| Isopropanol | (CAS-No.) 67-63-0 | 3.2 - 3.8 | Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336 |
| Methanol | (CAS-No.) 67-56-1 | 3.1 - 3.5 | Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse immediately with plenty of water. 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. Do not give an unconscious person anything to drink. Rinse mouth. Obtain immediate medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms : Causes serious eye irritation. Causes damage to organs (optic nerve, central nervous system). Ingestion may cause irritation of the gastrointestinal tract. May be harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry powder. Water spray.

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapour. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

STER-AHOL® WIPE

Safety Data Sheet

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

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Keep upw ind. Exercise caution w hen fighting any chemical fire. Use w ater spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or w ater courses.
- Protection during firefighting : Do not enter fire area w ithout proper protective equipment, including respiratory protection. Use self-contained breathing apparatus w hen in close proximity to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Remove all sources of ignition. Ventilate area. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew w ith proper protection.
- Emergency procedures : Remove all sources of ignition. Use only non-sparking tools. Ventilate area. Do not breathe vapors. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Prevent entry to sew ers and public w aters. Notify authorities if large amounts of the product enters sew ers or public w aters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Place in a suitable container for disposal in accordance w ith the w aste regulations (see Section 13).

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep aw ay from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Do not breathe vapors. Avoid contact w ith skin, eyes and clothing.
- Hygiene measures : Do not eat, drink or smoke w hen using this product. Handle in accordance w ith good industrial hygiene and safety practice. Wash hands and other exposed areas w ith mild soap and w ater before eating, drinking or smoking and w hen leaving w ork.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep aw ay from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a w ell-ventilated place. Keep cool. Store locked up.
- Incompatible materials : Strong acids. Strong alkalis. Oxidizing agents. Metals. Metallic salts. Halogens. Peroxides.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Ethanol (64-17-5) | | |
|-----------------------|-------------------------------------|---------------------------|
| ACGIH | Local name | Ethanol |
| ACGIH | ACGIH STEL (ppm) | 1000 ppm |
| ACGIH | Remark (ACGIH) | URT irr |
| ACGIH | Regulatory reference | ACGIH 2019 |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 1900 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 1000 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| Isopropanol (67-63-0) | | |
| ACGIH | Local name | 2-Propanol |
| ACGIH | ACGIH TWA (ppm) | 200 ppm |
| ACGIH | ACGIH STEL (ppm) | 400 ppm |
| ACGIH | Remark (ACGIH) | Eye & URT irr; CNS impair |

STER-AHOL® WIPE

Safety Data Sheet

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

| Isopropanol (67-63-0) | | |
|------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------|
| ACGIH | Biological Exposure Indices (BEI) | 40 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B, Ns |
| ACGIH | Regulatory reference | ACGIH 2019 |
| 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 |
| Methanol (67-56-1) | | |
| ACGIH | Local name | Methanol |
| ACGIH | ACGIH TWA (ppm) | 200 ppm |
| ACGIH | ACGIH STEL (ppm) | 250 ppm |
| ACGIH | Remark (ACGIH) | Headache; eye dam; dizziness; nausea |
| ACGIH | Biological Exposure Indices (BEI) | 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: End of shift - Notations: B, Ns |
| ACGIH | Regulatory reference | ACGIH 2019 |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 260 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 200 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide good ventilation in process area to prevent formation of vapor. Ensure exposure is below occupational exposure limits (where available). Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. Wash hands thoroughly after handling.

Hand protection:

Wear chemically resistant protective gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment

Thermal hazard protection:

Not required for normal conditions of use.

Other information:

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------|-------------------------------------------|
| Physical state | : Liquid |
| Appearance | : Polyester fabric moistened with liquid. |
| Color | : White fabric, clear liquid |
| Odor | : Slight Alcohol |

STER-AHOL® WIPE

Safety Data Sheet

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

| | |
|---------------------------------------------|--------------------------|
| Odor threshold | : No data available |
| pH | : Not applicable |
| Melting point | : Not applicable |
| Freezing point | : Not applicable |
| Boiling point | : No data available |
| Flash point | : 61.9 °F (16.6 °C) |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : 28 mm Hg (20 °C/68 °F) |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : 0.878 (Water = 1) |
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : 2 - 12 vol % |
| Explosive properties | : Not explosive. |
| Oxidizing properties | : Not oxidizing. |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7). Highly flammable liquid and vapor.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Strong acids. Strong alkalis. Oxidizing agents. Metals. Metallic salts. Halogens. Peroxides.

10.6. Hazardous decomposition products

Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

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 |

| Ethanol (64-17-5) | |
|------------------------------|-------------------------------------|
| LD50 oral, rat | 10470 mg/kg |
| LC50 inhalation, rat (mg/l) | 117 - 125 mg/l - 4 Hours |
| Isopropanol (67-63-0) | |
| LD50 oral, rat | 5840 mg/kg |
| LD50 dermal, rat | 16.4 ml/kg |
| LC50 inhalation, rat (ppm) | > 10000 ppm - 6 Hours |
| Methanol (67-56-1) | |
| LD50 oral, rat | > 1187 mg/kg (35% Aqueous solution) |

STER-AHOL® WIPE

Safety Data Sheet

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

| Methanol (67-56-1) | |
|-----------------------------|----------------------|
| LD50 dermal, rabbit | 17100 mg/kg |
| LC50 inhalation, rat (mg/l) | 43.68 mg/l - 6 Hours |

| | |
|-----------------------------------|--------------------------------------------------------|
| Skin corrosion/irritation | : Not classified pH: Not applicable |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: Not applicable |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| Isopropanol (67-63-0) | |
|------------------------------|----------------------|
| IARC group | 3 - Not classifiable |

| | |
|--------------------------------------------------|------------------------------------------------------------------|
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity – single exposure | : Causes damage to organs (optic nerve, central nervous system). |

| Isopropanol (67-63-0) | |
|--------------------------------------------------|------------------------------------|
| Specific target organ toxicity – single exposure | May cause drowsiness or dizziness. |

| Methanol (67-56-1) | |
|--------------------------------------------------|----------------------------------------------------------------|
| Specific target organ toxicity – single exposure | Causes damage to organs (optic nerve, central nervous system). |

| | |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specific target organ toxicity – repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| Potential Adverse human health effects and symptoms | : Causes serious eye irritation. Causes damage to organs (optic nerve, central nervous system). Ingestion may cause irritation of the gastrointestinal tract. May be harmful if sw allowed. |

SECTION 12: Ecological information

12.1. Toxicity

| Ethanol (64-17-5) | |
|--------------------------|--------------------------------------------|
| LC50 fish | 11200 mg/l (calculated value) |
| EC50 Daphnia | 5012 mg/l (calculated value) (freshwater) |
| EC50 Daphnia 2 | 857 mg/l (calculated value) (marine water) |

| Isopropanol (67-63-0) | |
|------------------------------|----------------------------------------------|
| LC50 fish | 9640 mg/l - 96 Hours (Pimephales promelas) |
| EC50 Daphnia | > 10000 mg/l - 48 Hours (Daphnia magna) |
| NOEC chronic algae | 1800 mg/l - 7 days (Scenedesmus quadricauda) |

| Methanol (67-56-1) | |
|---------------------------|-------------------------------------------|
| LC50 fish | 15400 mg/l 96 Hours - Lepomis macrochirus |
| EC50 Daphnia | 18260 mg/l 48 Hours - Daphnia magna |

12.2. Persistence and degradability

| Isopropanol (67-63-0) | |
|-------------------------------|---------------------------------------|
| Persistence and degradability | Expected to be readily biodegradable. |

12.3. Bioaccumulative potential

| Ethanol (64-17-5) | |
|-------------------------------------|---|
| Bioconcentration factor (BCF REACH) | 3 |

| Isopropanol (67-63-0) | |
|-------------------------------------|------|
| Bioconcentration factor (BCF REACH) | 3 |
| Log Pow | 0.05 |

STER-AHOL® WIPE

Safety Data Sheet

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

| Methanol (67-56-1) | |
|-------------------------------------|-------|
| Bioconcentration factor (BCF REACH) | < 10 |
| Log Kow | -0.74 |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN3175 Solids containing flammable liquid, n.o.s. (Ethanol), 4.1, II
UN-No.(DOT) : UN3175
Proper Shipping Name (DOT) : Solids containing flammable liquid, n.o.s. (Ethanol)
Transport hazard class(es) (DOT) : 4.1 - Class 4.1 - Flammable Solid 49 CFR 173.124
Packing group (DOT) : II - Medium Danger
Hazard labels (DOT) : 4.1 - Flammable solid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 212
DOT Packaging Bulk (49 CFR 173.xxx) : 240
DOT Symbols : G
DOT Special Provisions (49 CFR 172.102) : 47, IB6, IP2, T3, TP33
DOT Packaging Exceptions (49 CFR 173.xxx) : 151
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 15 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 50 kg
DOT Vessel Stow age Location : B
Emergency Response Guide (ERG) Number : 133
Other information : No supplementary information available.
Special transport precautions : No special precautions required.

Transportation of Dangerous Goods

Transport document description : UN3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol), 4.1, II
UN-No. (TDG) : UN3175
Proper Shipping Name (Transportation of Dangerous Goods) : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol)
TDG Primary Hazard Classes : 4.1 - Class 4.1 - Flammable Solids
Packing group : II - Medium Danger
TDG Special Provisions : 16, 56
Explosive Limit and Limited Quantity Index : 1 kg
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 15 kg

STER-AHOL® WIPE

Safety Data Sheet

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

Transport by sea

| | |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Transport document description (IMDG) | : UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol), 4.1, II |
| UN-No. (IMDG) | : 3175 |
| Proper Shipping Name (IMDG) | : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol) |
| Class (IMDG) | : 4.1 - Flammable solids, self-reactive substances and solid desensitized explosives |
| Packing group (IMDG) | : II - substances presenting medium danger |

Air transport

| | |
|---------------------------------------|-------------------------------------------------------------------------|
| Transport document description (IATA) | : UN 3175 Solids containing flammable liquid, n.o.s. (Ethanol), 4.1, II |
| UN-No. (IATA) | : 3175 |
| Proper Shipping Name (IATA) | : Solids containing flammable liquid, n.o.s. (Ethanol) |
| Class (IATA) | : 4.1 - Flammable solids |
| Packing group (IATA) | : II - Medium Danger |

SECTION 15: Regulatory information

15.1. US Federal regulations

STER-AHOL® WIPE

| | |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SARA Section 311/312 Hazard Classes | Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye damage or eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure) |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|-------------|-----------------|------------|
| Isopropanol | CAS-No. 67-63-0 | 3.2 - 3.8% |
| Methanol | CAS-No. 67-56-1 | 3.1 - 3.5% |

Ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Isopropanol (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Methanol (67-56-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CERCLA RQ 5000 lb

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

Ethanol (64-17-5)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

WARNING:

This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

STER-AHOL® WIPE

Safety Data Sheet

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

| Component | State or local regulations |
|----------------------|------------------------------------------------------------------------------------------------------------|
| Ethanol(64-17-5) | U.S. - New Jersey - Right to Know Hazardous Substance List |
| Isopropanol(67-63-0) | U.S. - New Jersey - Right to Know Hazardous Substance List |
| Methanol(67-56-1) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16: Other information

Revision date : 06/03/2019
Data sources : US OSHA HazCom (GHS) 25 May 2012.
Other information : None.

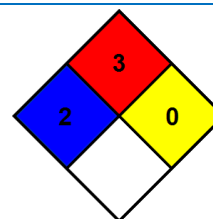
Full text of H-phrases:

| | |
|------|-----------------------------------|
| H225 | Highly flammable liquid and vapor |
| H301 | Toxic if swallowed |
| H311 | Toxic in contact with skin |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H336 | May cause drowsiness or dizziness |
| H370 | Causes damage to organs |

Abbreviations and acronyms:

| | |
|--|---------------------------------------------------------------------------------------------------------|
| | ACGIH (American Conference of Government Industrial Hygienists) |
| | ATE (Acute Toxicity Estimate) |
| | CAS (Chemical Abstracts Service) number |
| | DNEL (Derived No Effect Level) |
| | EC50 (Effective Concentration 50%) |
| | IARC (International Agency for Research on Cancer) |
| | IATA (International Air Transport Association) |
| | IMDG (International Maritime Dangerous Goods Code) |
| | IMO (International Maritime Organisation) |
| | LC50 (Lethal Concentration 50%) |
| | LD50 (Lethal Dose 50%) |
| | OECD (Organisation for Economic Co-operation and Development) |
| | OSHA (Occupational Safety and Health Administration) (US) |
| | PBT (Persistent, Bioaccumulative and Toxic) |
| | PNEC (Predicted No Effect Concentration) |
| | STEL (Short Term Exposure Limit) |
| | TSCA (Toxic Substances Control Act) (US) |
| | TWA (Time Weighted Average) |
| | UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods) |
| | vPvB (very Persistent and very Bioaccumulative) |

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



STER-AHOL® WIPE

Safety Data Sheet

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

Hazard Rating

Health : 4 Severe Hazard - Life-threatening, major or permanent damage may result from single or repeated overexposures

Flammability : 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Indication of changes:

| Section | Changed item | Change | Comments |
|---------|---------------------------------------------------|----------|----------|
| 2 | Hazards identification | Modified | |
| 3 | Composition/Information on ingredients | Modified | |
| 5 | Fire fighting measures | Modified | |
| 8 | Exposure controls / Personal protection equipment | Modified | |
| 9 | Physical and chemical properties | Modified | |
| 10 | Stability and reactivity | Modified | |
| 11 | Toxicological information | Modified | |
| 12. | Ecological information | Modified | |
| 15 | Regulatory information | Modified | |

SDS US (GHS HazCom 2012)

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Veltek Associates, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Veltek Associates, Inc. accepts no liability for loss or damage resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

This SDS has been translated into the official language of the country/region in which the product is to be placed on the market. Where no official translation exists, the regulatory text is reported in English, as it appears in the relevant regulatory text.