



SolVantage Final Rinse

Safety Data Sheet

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

Issue date: 05/30/2023

Version: 1.1

SECTION 1: Identification

Identification

Product form : Substance
Substance name : SolVantage Final Rinse
Product code : 304045
Chemical name : Proprietary Fluorinated Solvent
CAS-No. : Trade Secret

Recommended use and restrictions on use

Recommended use : Cleaning solvent
Restrictions on use : Product for industrial use only

Supplier

Burlin, Inc.
P.O. Box 270
Indianapolis, IN 46206 - USA
T 1.800.776.7149 - F 317.925.4596
Regulatory@bhcinc.com - www.bhcinc.com

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

Acute toxicity (inhal.), Category 4	Harmful if inhaled.
Skin corrosion/irritation, Category 2	Causes skin irritation.
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):

Warning

Hazard statements (GHS US):

Causes skin irritation.
Causes serious eye irritation.
Harmful if inhaled.
May cause drowsiness or dizziness.

Precautionary statements (GHS US)

Prevention:

Avoid breathing mist, spray, vapours. Wash hands, forearms and face thoroughly after handling. Use only in a well-ventilated area. Wear protective clothing, eye protection, face protection.

SolVantage Final Rinse

Safety Data Sheet

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

Response:	IF ON SKIN: Wash with plenty of water. 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. Continue rinsing. Call a poison center or doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage:	Store in a well-ventilated place. Keep container tightly closed.
Disposal:	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 (%)
Proprietary Fluorinated Solvent (Main constituent)	(CAS-No.) Trade Secret	>99

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. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
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	: Call a poison center or a doctor if you feel unwell.

Most important symptoms and effects (acute and delayed)

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Irritation.
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	: Water spray. Dry powder. Foam. Carbon dioxide.
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Specific hazards arising from the chemical

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
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Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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SolVantage Final Rinse

Safety Data Sheet

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid breathing mist, spray, vapours. Avoid contact with skin and eyes.

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.

Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
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 : Use only in a well-ventilated area. Avoid breathing mist, spray, vapours. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls/personal protection

Control parameters

No additional information available

Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide local exhaust or general room ventilation. Eyewash station.
Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

Hand protection:

Chemically resistant protective gloves. Use neoprene gloves

Eye protection:

Goggles. Face shield

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

SolVantage Final Rinse

Safety Data Sheet

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

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid.
Color	: Colourless
Odor	: No data available
Odour threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 134 °F
Flash point	: None (Closed cup)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: 31 kPa (25 °C)
Relative vapour density at 20 °C	: No data available
Relative density	: 1.47 (25 °C)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: 590 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0.41 cP
Explosive limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Non oxidizing.
VOC content	: Exempted

SECTION 10: Stability and reactivity

Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Heat. flames.

SolVantage Final Rinse

Safety Data Sheet

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Incompatible materials

Strong oxidizing agents. Powdered metals (Aluminum, Magnesium, Zinc, Titanium).

Hazardous decomposition products

Toxic gases. hydrogen fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Harmful if inhaled.

LD50 (oral)	>2,000 mg/kg bodyweight
LD50 (dermal)	>2,000 mg/kg bodyweight
LD50 (inhalation)	>24.8 mg/l

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

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 skin contact : Irritation.
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.

Proprietary Fluorinated Solvent	
LC50 - Fish [1]	> 76 mg/l (96 hr - Carp)
ErC50 algae	> 213 mg/l

Persistence and degradability

Proprietary Fluorinated Solvent	
Persistence and degradability	Not readily biodegradable.

Bioaccumulative potential

Proprietary Fluorinated Solvent	
Bioaccumulative potential	Not established.

SolVantage Final Rinse

Safety Data Sheet

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Mobility in soil

No additional information available

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.

SECTION 14: Transport information

US - DOT

Not regulated for transport

International shipping – IMDG

Not regulated for transport

International – IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

Proprietary Fluorinated Solvent

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

15.2. International regulations

CANADA

Proprietary Fluorinated Solvent

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

EU-Regulations

Proprietary Fluorinated Solvent

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Proprietary Fluorinated Solvent

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Not listed on KECL/KECI (Korean Existing Chemicals Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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SolVantage Final Rinse

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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.