

SAFETY DATA SHEET



SDS No.: SS4
 Date Created: January 4, 2018
 Supercedes: 09/18/15

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Aves® Safety Solvent
General Use: Cleaning solvent
Product Description: Clear Liquid

MANUFACTURER
 Aves Studio, LLC
 PO Box 344, River Falls, WI 54022 U.S.A.
 715-386-9097

EMERGENCY TELEPHONE NUMBER:
 Rocky Mountain Poison and Drug Center
 303-739-1110

2. HAZARD IDENTIFICATION

Component	EXPOSURE LIMITS 8 hrs TWA (ppm)				
	OSHA PEL	ACGIH TLV	Australian Std	NIOSH REL	AIHA WEEL
Blend of Proprietary Solvents*	None Established	None Established	None Established	None Established	None Established

*DFG MAKs established 86 mg/M³ as the exposure limit for the organic solvent in this blend.
 *Manufacturer recommends 107 mg/M³ as a TWA exposure limit for the proprietary solvent.

PRODUCT CONFORMS TO SAFETY STANDARD ASTM INTERNATIONAL D4236

EMERGENCY OVERVIEW

GHS CLASSIFICATION OF SUBSTANCE

Flammable Liquid	Category 4 Combustible Liquid
Aspiration Toxicity	Category 2
Skin Irritation	No Classification Under GHS
Eye Irritation	Category 2B
Carcinogenicity	No Classification Under GHS
Specific Target Organ Toxicity Repeated Exposure	No Classification Under GHS
Specific Target Organ Toxicity Single Exposure	No Classification Under GHS
Reproductive Toxicity	No Classification Under GHS
Acute Toxicity	Category 5 - dermal
Germ Cell mutagenicity	No Classification Under GHS
Hazardous to the aquatic env.	No Classification Under GHS

SAFETY DATA SHEET

GHS LABEL ELEMENTS



WARNING

HAZARD STATEMENTS

H313 - May be harmful in contact with skin
H320 - Causes eye irritation
H227 - Combustible Liquid
H305 - May be harmful if swallowed and enters airways

Precautionary Statements

General:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Prevention:

None Applicable

Response:

P301 - IF SWALLOWED: Seek medical attention. Do not induce vomiting.
P302 + 352 - If on skin: wash with plenty of water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
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.

Storage/Disposal:

P403+P235 - Store in a well-ventilated place. Keep cool.

UN GHS

According to the Globally Harmonized Standard for Classification and Labeling (GHS), this product is considered hazardous based on aspiration hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>wt%</u>	<u>CAS Registry #</u>
Proprietary Solvent	10% - 90%	2807-30-9

4. FIRST AID MEASURES

INHALATION:

If user experiences distress from breathing vapors, move to fresh air. If the user continues distressed behavior after being in fresh air for 15 minutes, seek medical attention.

EYE CONTACT:

Remove contact lens (if present). Rinse eyes immediately with plenty of clean water for at least 15 minutes. If necessary, gently hold the eyelid open during the flush. If eye irritation persists, seek medical attention.

SKIN CONTACT:

Wash off with soap and water and seek medical attention if irritation and redness develops and persists.

INGESTION:

DO NOT INDUCE VOMITING as there is danger of aspirating vomited material into the lungs. Consult a physician.

5. FIRE FIGHTING MEASURES

SAFETY DATA SHEET

Flashpoint and Method: 165 F/74 C - ASTM D93 method (solvent blend)

Flammable Limits: Not Available

Autoignition Temperature: Not Available

GENERAL HAZARD:

Product has a flash point and is a combustible liquid. It will support combustion especially when combined with other combustible/flammable materials.

FIRE FIGHTING INSTRUCTIONS:

Water fog or fine spray; dry chemical fire extinguishers; carbon dioxide fire extinguishers; foam; alcohol resistant foams (ATC type).

FIRE FIGHTING EQUIPMENT:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of protective equipment is generally unnecessary.

FURTHER INFORMATION:

The packaged container is not of sufficient size to provide much fuel for a fire.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL RESPONSE:

Remove all sources of ignition. Use inert materials such as vermiculite or sand to other absorbent media designed for solvent capture to collect free liquid. Product is miscible with water and will penetrate into the earth.

WATER SPILL:

Product is miscible with water and container size is small so not likely to present a significant hazard to the water body. Product will dissipate into the water body.

RECOMMENDED DISPOSAL:

Not a U.S. Environmental Protection Agency RCRA hazardous waste unless mixed with something that would render it hazardous.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL:

Product is freeze/thaw stable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

SAFETY DATA SHEET

Component	EXPOSURE LIMITS 8 hrs TWA (ppm)				
	OSHA PEL	ACGIH TLV	Australian Std	NIOSH REL	AIHA WEEL
Blend of Proprietary Solvents*	None Established	None Established	None Established	None Established	None Established

*DFG MAKs established 86 mg/M³ as the exposure limit for the organic solvent in this blend.

*Manufacturer recommends 107 mg/M³ as a TWA exposure limit for the proprietary solvent.

ENGINEERING CONTROLS:

None Needed unless multiple containers are used at once.

PERSONAL PROTECTION:

Wear protective gloves that are polymeric (nitrile or equivalent) when working with the solvent if skin irritation occurs. Respiratory protection is not needed unless volumes exceeding the normal packaging are used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Unknown	Vapor Density:	Unknown
Specific Gravity:	0.91 g/ml	Evaporation Rate:	approx. 0.1 g/hour
Solubility in Water:	soluble	Freezing Point:	Freeze/Thaw Stable
pH:	5.3	Odor:	Sweet
Boiling Point:	Unknown	Appearance:	Clear
Viscosity:	Unknown	Physical State:	Liquid
Flash Point:	165 F/74 C	Flammable Range:	Unknown

10. STABILITY AND REACTIVITY

GENERAL:

Stable under normal storage conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong oxidizing agents

HAZARDOUS DECOMPOSITION:

Carbon dioxide, carbon monoxide

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

Component	Acute Test	Value	Species
2-Propoxyethanol	LD50 - oral	3089 mg/kg	Rat
2-Propoxyethanol	LC50 - inhalation	1530 ppm	Mouse - 7hr
2-Propoxyethanol	LD50 - dermal	1337 mg/kg	Rabbit

ROUTES OF ENTRY:

Skin contact and eye contact as a liquid; respiratory contact as a vapor.

CHRONIC EFFECTS ON HUMANS:

Eye contact is the most serious concern. Splashing in the eyes can cause severe eye irritation and moderate corneal injury. Prolonged skin contact may cause skin irritation through defatting of the skin.

SAFETY DATA SHEET

Has a low level of toxicity if swallowed. Small amounts swallowed incidental to normal handling is not likely to cause injury. Swallowing large amounts, beyond the normal container size could cause injury. Under normal use, it is not likely a vapor hazard.

Eyes:

Irritating to the eyes if liquid is introduced into the eyes.

Skin:

Prolonged skin contact will cause defatting of the skin and possible irritation and redness.

Ingestion:

Packaged quantities are small and volume ingested is likely small. Presents an aspiration hazard if vomiting is induced.

Inhalation:

Packaged quantities are small, and hazard by inhalation is minimal. Use in a well ventilated area.

12. ECOLOGICAL INFORMATION

<u>Species</u>	<u>Test Information</u>	<u>Concentration</u>	<u>Component</u>
Pimephases promelas	Static test LC50	>5000 mg/l-96hr	2-propoxyethanol
Daphnia	Static test LC50	>5000 mg/l-48hr	2-propoxyethanol
Algae	Static test EC50	>100 mg/l-72hr	2-propoxyethanol

13. DISPOSAL CONSIDERATIONS

Product flash point does not meet the EPA definition of hazardous waste based on flammability/ignitability. Dispose of in accordance with local, state, federal regulations. Not a hazardous waste unless combined with hazardous materials.

14. TRANSPORT INFORMATION

The following proper shipping name, hazard class and packing group are in accordance to transportation regulations.

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

49 CFR Shipping Information	Aves® Safety Solvent
Symbols	"G" - identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description. See 172.203(k)
UN Number	NA1993
Proper Shipping Name	Not DOT regulated for domestic transportation unless greater than 119 gallons (450 liters). Proper shipping name when regulated: Combustible liquid, n.o.s.
Hazard Class	3
Packing Group	III
Label Codes	None
Special Provisions (172.102)	148,IB3,T1,TP1
Packaging - Exceptions	173.150
Packaging - Nonbulk	173.203
Packaging - bulk	173.241

SAFETY DATA SHEET

Quantity Limitations - Passenger aircraft/rail	60 L
Quantity Limitations - Cargo aircraft only	220 L
Vessel stowage - Location	A
Vessel Stowage - Other	Not Applicable

INTERNATIONAL AIR TRAFFIC ASSOCIATION (IATA)

IATA 58th Edition Information	Aves® Safety Solvent
UN Number	Not Applicable
Proper Shipping Name Description	Not Applicable
Class or Division	Not Applicable
Hazard Label(s)	Not Applicable
Packing Group	Not Applicable
EQ - 2.6 Dangerous Goods in Excepted Quantities	Not Applicable
Passenger Aircraft - Limited Quantity Packing Instructions	Not Applicable
Passenger Aircraft - Limited Quantity Max net Qty/Pkg	Not Applicable
Passenger Aircraft - Packing Instructions	Not Applicable
Passenger Aircraft - Quantity Max Net Qty/Pkging	Not Applicable
Cargo Aircraft only - Packing Instructions	Not Applicable
Cargo Aircraft only - Max Net Qty/Pkging	Not Applicable
Special Provisions 4.4	Not Applicable
ERG Code	Not Applicable

INTERNATIONAL MARITIME DANGEROUS GOODS CODE (IMDG CODE)

IMDG 2016 EDITION	Aves® Safety Solvent
UN Number	Not Applicable
Proper Shipping Name Description	Not Applicable
Class or Division	Not Applicable
Subsidiary Risks	Not Applicable
Packing Group	Not Applicable
Special Provisions	Not Applicable
Limited Quantities	Not Applicable
Excepted Quantities	Not Applicable
Packing Instructions	Not Applicable
Packing Provisions	Not Applicable
IBC Instructions 4.1.4	Not Applicable
IBC Provisions 4.1.4	Not Applicable

15. REGULATORY INFORMATION

Chemical Inventory Status

Ingredients listed on: TSCA, DSL, Japan, and EC inventories.

SARA Section 302 - Emergency Planning Notification - None

SARA Section 304 - Emergency Release Notification - None

SARA 311/312 - Hazard categories for SARA Section 311/312 Reporting - None

CERCLA - Hazardous Substance - None

RCRA Hazardous Waste Classification - None

SAFETY DATA SHEET

California Proposition 65:
No components listed.

16. OTHER INFORMATION

UNITED STATES NATIONAL FIRE PROTECTION ASSOCIATION (U.S. NFPA)

NFPA Category	Aves Safety Solvent
Health:	1
Fire:	1
Reactivity:	0

CREATION/REVISION SUMMARY:

Created on: September 18, 2015
Revised: January, 2018
Added more detail on transportation
Added manufacturer's recommended exposure limit

Cheryl Sykora, CIH, CSP, CHMM
Registered Specialist, SDS and Label Authoring #118534
LEGEND TECHNICAL SERVICES, INC.
88 Empire Drive, Saint Paul, Minnesota 55103
651-221-4085



THE INFORMATION RELATES TO THIS SPECIFIC PRODUCT. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.