

SAFETY DATA SHEET

Version: 2
Issue Date: 6-26-2015
Revision Date: 8-4-2022

ASI 174 Clear

Section 1: Product and Company Identification

American Sealants, Inc. 9190 Yeager Ln Fort Wayne, Indiana 46809 Phone: 260-489-0728 Fax: 260-489-0519	Emergency Phone Number Infotrac: +1-800-535-5053 (Within US) Infotrac: +1-352-323-3500 (Outside US)
Product Identifier:	ASI 174 Clear
Recommended Use:	Aqueous clear sealant with silicone (applies white, dries clear within 2 weeks)
Restrictions on Use:	None known

Section 2: Hazard(s) Identification

Hazard Classification

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Label Elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Signal Word

None

Other hazards

No data available

Section 3: Composition/Information on Ingredients

Chemical	CAS No	Weight %	Classification	EC No	REACH Registration No
Propylene Glycol	57-55-6	< 1.25	Not determined	Present	Not determined
Ammonium Hydroxide	7664-41-7	< 0.25	Acute Tox. 3 (H331) Skin Corr. 1B (H314) Aquatic Acute 1 (H400) Flam. Gas 2 (H221) Press. Gas	Present	Not determined
Petroleum Hydrocarbon	64742-48-9	< 0.50	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	Present	Not determined

Hazard Statements

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H221	Flammable gas
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H331	Toxic if inhaled
H340	May cause genetic defects
H350	May cause cancer
H400	Very toxic to aquatic life

Additional Information

Substances without a classification are included, because they have established occupational exposure limits
This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$
(Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: First-Aid Measures

Description of first aid measures

General advice:

Provide this SDS to medical personnel for treatment.

Inhalation:	Remove to fresh air. If breathing is difficult, leave area to obtain fresh air. If breathing remains difficult, get medical attention.
Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If irritation persists, seek medical attention.
Eye contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.
Ingestion:	Do not induce vomiting, unless directed by medical personnel. Get immediate medical attention. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

Most important symptoms and effects, both acute and delayed:

Prolonged or repeated skin contact may result in dermatitis (red, dry skin). Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness and discomfort. Irritating to mouth, throat, and stomach if ingested. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Overexposure to vapors during application and curing may mildly irritate respiratory tract and result in coughing and sneezing.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Provide general supportive measures and treat symptomatically. May aggravate preexisting skin disorders.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media: Water spray. Foam. Carbon dioxide (CO₂) Dry chemical.

Unsuitable Extinguishing Media: None known.

Special Hazards Arising from the substance or mixture

Product is combustible and may ignite if exposed to high temperature or direct flame.

Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

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Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Wear protective clothing as described in Section 8 of this safety data sheet. Restrict access to spill area.
Methods and Materials for Containment and Cleaning Up:	Prevent further leakage or spillage is safe to do so. Use absorbent material to contain spill. Sweep up absorbed material and shovel into suitable containers for disposal. Wash are with soap and water.
Environment Precautions:	Minimize use of water to prevent environmental contamination. Prevent spill or rinse from contaminating storm drains, sewers, soil or groundwater. See Section 12 for additional Ecological Information.

See Section 13 for disposal considerations.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid breathing vapors. Use only with adequate ventilation. Open windows & doors to ensure fresh air cross-ventilation during application and curing. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes or clothing. While handling product keep out of reach of children and pets.
Conditions for Safe Storage, including any Incompatibilities:	Handle in accordance with good industrial hygiene and safety practice. Close container after each use. Store containers away from excessive heat & freezing. Do not store @ temperatures above 120 ° F. To maximize shelf life, store @ temperatures below 26C (80F). Information required for risk management methods is contained in this safety data sheet.

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure Limits

Ammonium Hydroxide – 7664-41-7

European Union	United Kingdom	France	Spain	Germany
TWA: 20 ppm	STEL: 35 ppm	TWA: 10 ppm	STEL: 50 ppm	TWA: 20 ppm
TWA: 14 mg/m3	STEL: 25 mg/m3	TWA: 7 mg/m3	STEL: 36 mg/m3	TWA: 14 mg/m3
STEL: 50 ppm	TWA: 25 ppm	STEL: 20 ppm	TWA: 20 ppm	
STEL: 36 mg/m3	TWA: 18 mg/m3	STEL: 14 mg/m3	TWA: 14 mg/m3	

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Italy	Portugal	Netherlands	Finland	Denmark
TWA: 20 ppm TWA: 14 mg/m3 STEL: 50 ppm STEL: 36 mg/m3	STEL: 50 ppm STEL: 36 mg/m3 TWA: 20 ppm TWA: 14 mg/m3	STEL: 36 mg/m3 TWA: 14 mg/m3	TWA: 20 ppm TWA: 14 mg/m3 STEL: 50 ppm STEL: 36 mg/m3	TWA: 20 ppm TWA: 14 mg/m3
Austria	Switzerland	Poland	Norway	Ireland
STEL: 50 ppm STEL: 36 mg/m3 TWA: 20 ppm TWA: 14 mg/m3	STEL: 40 ppm STEL: 28 mg/m3 TWA: 20 ppm TWA: 14 mg/m3	STEL: 28 mg/m3 TWA: 14 mg/m3	TWA: 15 ppm TWA: 11 mg/m3 TWA: 20 ppm STEL: 50 ppm STEL: 36 mg/m3	TWA: 20 ppm TWA: 14 mg/m3 STEL: 50 ppm STEL: 36 mg/m3
Petroleum Hydrocarbon – 64742-48-9				
Switzerland	Poland			
STEL: 100 ppm STEL: 600 mg/m3 TWA: 50 ppm TWA: 300 mg/m3	STEL: 900 mg.m3 TWA: 300 mg/m3			
<p>Exposure controls</p> <p>Engineering controls: Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.</p> <p>Personal Protective Equipment</p> <p>Eye/face protection: Use approved safety goggles or safety glasses. If necessary, refer to appropriate regulations and standards.</p> <p>Skin protection: Use protection appropriate for task (e.g.: lab coat, coveralls, Tyvek suit). Refer to European Standard EN 1149 for further information on material and design requirements and test methods.</p> <p>Hand Protection: Wear impervious gloves. Nitrile or Neoprene gloves may afford adequate skin protection.</p> <p>Respiratory protection: Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.</p>				

Section 9: Physical and Chemical Properties			
Appearance	Smooth Paste	Color:	White when applied, dries clear <2 weeks
Odor:	Mild acrylic, slight ammoniacal odor	Odor Threshold:	Not determined
pH:	7.0-10.0	Melting Point/freezing point:	< 0 °C (32 °F)
Initial boiling point and boiling range:	98.88-104.44 °C (210-220 °F)	Flash point:	> 93 °C (199 °F)
Evaporation Rate:	Not determined	Flammability (soild, gas)	Not determined
Upper/lower flammability or explosive limits	Unknown	Vapor Pressure:	Not established
Vapor Density (air = 1):	Heavier than air	Density:	1.04-1.08 API Gravity @ 60 °F D1298
Water Solubility	Soluble in water	Partition Coefficient (n-octanol/water)	Not determined
Auto Ignition:	Not determined	Decomposition temperature	Not determined
Dynamic viscosity	Not determined	Kinematic viscosity	Not determined

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Explosive properties	Not determined	Oxidizing properties	Not determined
NOTE: The physical data presented above are typical values and should not be construed as a specification.			

Section 10: Stability and Reactivity	
Reactivity:	Cures upon contact with air
Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
	Hazardous reactions are not possible under normal processing.
Conditions to Avoid:	Excessive heat or cold
Incompatible Materials:	Oxidizers. Strong Acids.
Hazardous Decomposition Products:	Carbon oxides

Section 11: Toxicological Information			
Acute Toxicity			
Product Information			
Inhalation	Do not inhale		
Eye Contact	Avoid contact with eyes		
Skin Contact	Avoid contact with skin		
Ingestion	Do not ingest		
The following values are calculated based on chapter 3.1 of the GHS document			
ATEmix (oral)	45,000 mg/kg		
ATEmix (dermal)	46,800 mg/kg		
ATEmix (inhalation-dust/mist)	18.06 mg/L		
Unknown Acute Toxicity			
97.75% of the mixture consists of ingredient(s) of unknown toxicity (oral, dermal, inhalation of gas, vapour or dust/mist)			
Component Information			
Chemical	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol	= 20 g/kg (Rat)	= 20,800 mg/kg (Rabbit)	
Ammonium Hydroxide	= 350 mg/kg (Rat)		= 2,000 ppm, 4hrs (Rat)
Petroleum Hydrocarbon	> 6,000 mg/kg (Rat)	> 3,160 mg/kg (Rabbit)	> 8,500 mg/m3, 4 hrs (Rat)
Skin corrosion/irritation	Not classified		
Serious eye damage/eye irritation	Not classified		
Sensitization	Not classified		
Germ cell mutagenicity	Not classified		

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Carcinogenicity	The table below indicates whether each agency has listed any ingredients as a carcinogen.
Chemical	European Union
Petroleum Hydrocarbon	Carc. 1B
Reproductive toxicity	Not classified
STOT – Single Exposure	Not classified
STOT – Repeated Exposure	Not classified
Aspiration Hazard	Not classified

Section 12: Ecological Information			
<p><i>An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. PRACTICES SHOULD BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION. Product not tested for aquatic or animal toxicity. Release of product to terrestrial, atmospheric & aquatic environments should be avoided.</i></p>			
Chemical	Algae/Aquatic Plants	Fish	Crustacea
Propylene Glycol	Pseudokirchneriella subcapitata EC50 19,000 mg/L, 96 h	Pimephales promelas LC50 (static) 514,000 mg/L, 96 h	Daphnia magna EC50 (static) 1,000 mg/L, 48 h
		Pimephales promelas LC50 710 mg/L, 96 h	Daphnia Magna 10,000 mg/L, 24 h
		Oncorhynchus mykiss LC50 (static) 41-47 mL/L, 96 h	
		Oncorhynchus mykiss LC50 (static) 51,6000 mg/L, 96 h	
Ammonium Hydroxide		Pimephales promelas LC50 (static) 5.9 mg/L, 96 h	Daphnia magna 25.4 mg/L, 48 h
		Poecilia reticulata LC50 (static) 1.19 mg/L, 96 h	
		Pimephales promelas LC50 0.73-2.35 mg/L, 96 g	
		Cyprinus carpio LC50 0.44 mg/L, 96 h	
		Lepomis macrochirus LC50 0.26-4.6 mg/L, 96 h	
		Lepomis macrochirus LC50 (flow-through)-1.17 mg/L, 96 h	
		Poecilia reticulata LC50 1.5 mg/L, 96 h	
Petroleum Hydrocarbon		Pimephales promelas LC50 2,200 mg/L, 96 h	Chaetogammarus marinus LC50 2.6 mg/L, 96 h
Toxicity	No data available		
Persistence and Degradability:	Not tested for persistence and biodegradability		
Bioaccumulative Potential:			

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Chemical	Partition Coefficient
Ammonium Hydroxide	-1.14
Mobility in soil	Not tested for mobility in soil
Results of PBT and vPvB Assessment	Not determined
Other Adverse Effects	Environmental Exposure Controls: Should be maintained so as to prevent release to the environment (atmospheric release, release to waterways and spills).

Section 13: Disposal Considerations	
Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations. Improper disposal or reuse of this container may be dangerous and illegal.
Contaminated Packaging	

Section 14: Transport Information
<p>IMDG Not regulated</p> <p>RID Not regulated</p> <p>ADR Not regulated</p> <p>IATA Not regulated</p> <p>Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.</p>

Section 15: Regulatory Information			
Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture			
France			
Occupational Illnesses (R-463-3, France)			
Chemical	CAS	French RG Number	Title
Propylene Glycol	57-55-6	RG 84	
Petroleum Hydrocarbon	64742-48-9	RG 84	
European Union			
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.			

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<p>Authorisations and/or restrictions on use: This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)</p> <p>Persistent Organic Pollutants Not applicable</p> <p>Named dangerous substances per Seveso Directive (2012/18/EU)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 25%;">Chemical</th> <th style="width: 25%;">CAS</th> <th style="width: 25%;">Lower-tier Requirements (tons)</th> <th style="width: 25%;">Upper-tier Requirements (tons)</th> </tr> </thead> <tbody> <tr> <td>Ammonium Hydroxide</td> <td>7664-41-7</td> <td>50</td> <td>200</td> </tr> </tbody> </table> <p>Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable</p> <p>International Inventories</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 25%;">Chemical</th> <th style="width: 7%;">TSCA</th> <th style="width: 7%;">DSL/NDSL</th> <th style="width: 10%;">EINECS/ELINCS</th> <th style="width: 7%;">PICCS</th> <th style="width: 7%;">ENCS</th> <th style="width: 7%;">IECSC</th> <th style="width: 7%;">AICS</th> <th style="width: 7%;">KECL</th> </tr> </thead> <tbody> <tr> <td>Propylene Glycol 57-55-6 (<1.25)</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td>Trade Secret (<5)</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td>Ammonium Hydroxide 7664-41-7 (<0.25)</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td>Petroleum Hydrocarbon 64742-48-9 (<0.50)</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">—</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </tbody> </table> <p>Legend TSCA - United States Toxic Substances Control Act Section 8(b) Inventory EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List PICCS - Philippines Inventory of Chemicals and Chemical Substances ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances AICS - Australian Inventory of Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances</p> <p>Chemical Safety Assessment No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.</p>									Chemical	CAS	Lower-tier Requirements (tons)	Upper-tier Requirements (tons)	Ammonium Hydroxide	7664-41-7	50	200	Chemical	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL	Propylene Glycol 57-55-6 (<1.25)	X	X	X	X	X	X	X	X	Trade Secret (<5)	X	X	X	X	X	X	X	X	Ammonium Hydroxide 7664-41-7 (<0.25)	X	X	X	X	X	X	X	X	Petroleum Hydrocarbon 64742-48-9 (<0.50)	X	X	X	X	—	X	X	X
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Section 16: Other Information	
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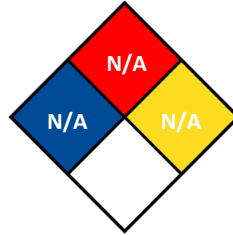
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NFPA Ratings:

Health: N/A
Fire: N/A
Reactivity: N/A



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS III:

HEALTH	N/A
FLAMMABILITY	N/A
PHYSICAL HAZARD	N/A

0 = Not Significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Key/Legend:

AICS (Australia); DSL (Canada); IECSC (China); REACH (European Union); ENCS (Japan); ISHL (Japan); KECI (Korea); NZIoC (New Zealand); PICCS (Philippines); TCSI (Taiwan); TSCA (USA); ACGIH – USA. ACGIH Threshold Limit Values (TLV); NIOSH REL – USA. NIOSH Recommended Exposure Limits; OSHA P0 – USA. OSHA – TABLE Z-1 Limits for Air Contaminants – 1910.1000; OSHA Z-1 – USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminates; OSHA Z-3 – USA. Occupational Exposure Limits (OSHA) – Table Z-3 Mineral Dusts; ACGIH / TWA – 8-hour, time-weighted average; NIOSH REL / TWA – Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek; NIOSH REL / ST – STEL – 15-minute TWA exposure that should not be exceeded at any time during a workday; OSHA P0 / TWA - 8-hour, time-weighted average; OSHA Z-1 / TWA - 8-hour, time-weighted average; OSHA Z-3 / TWA - 8-hour, time-weighted average

Disclaimer:

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations.

End of Document