AS-5800 Vinyl Adhesive

Safety Data Sheet

according to ICOP 2014,2019
Issue date: 24.11.2020 Revision date: 30.03.2022 Supersedes: 24.11.2020 Version: 1.1

SECTION 1: Identification of the hazardous chemical and of the supplier

1.1. Product identifier

Name : AS-5800 Vinyl Adhesive

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Adhesives

1.4. Supplier details

Manufacturer
Alseal Marketing Sdn. Bhd.
Lot 53, Jalan Industri 2/2,
Rawang Integrated Industrial Park,
48000 Rawang, Selangor, Malaysia.
T +603-60942088 - F +603-60992930
info@alsealmarketing.com

1.5. Emergency phone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Flammable liquids, Category 3	H226
Skin sensitisation, Category 1	H317

2.2. Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Hazard pictograms (GHS MY) :



Signal word (GHS MY) : Warning
Contains : rosin; colophony
Hazard statements (GHS MY) : H226 - Flammable liquid and vapour.
H317 - May cause an allergic skin reaction
Precautionary statements (GHS MY) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.

2.3. Other hazards that do not result in classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)
acetone; propan-2-one; propanone	CAS-No.: 67-64-1	1 – 10	Flam. Liq. 2, H225 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Acute Tox. Not classified (Inhalation:dust,mist) Eye Irrit. 2, H319 STOT SE 3, H336
rosin; colophony	CAS-No.: 8050-09-7	1 – 10	Skin Sens. 1, H317

SECTION 4: First-aid measures

4.1. Description of necessary first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : If skin irritation or rash occurs: Get medical advice/attention. Rinse skin with water/shower. Take off immediately all contaminated clothing.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after skin contact : May cause an allergic skin reaction.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Physicochemical hazards arising from the chemical

Fire hazard : Flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. 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.

EAC code : •3Y

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. No open flames, no sparks, and no smoking.

6.1.2. 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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. 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.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. 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.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

acetone; propan-2-one; propanone (67-64-1)	
Malaysia - Occupational Exposure Limits	
Local name	Aseton # Acetone
PEL TWA (mg/m³)	1187 mg/m³
PEL TWA (ppm)	500 ppm
MEL (mg/m³)	3561 mg/m³
MEL (ppm)	1500 ppm
USA - ACGIH - Occupational Exposure Limits	
Local name	Acetone
ACGIH TWA (ppm)	250 ppm
ACGIH STEL (ppm)	500 ppm

acetone; propan-2-one; propanone (67-64-1)	
Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2021
USA - ACGIH - Biological Exposure Indices	
Local name	ACETONE
Biological Exposure Indices (BEI)	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift - Notations: Ns
Regulatory reference	ACGIH 2021

rosin; colophony (8050-09-7)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m³)	≈ 0,05 mg/m³
WEL STEL (mg/m³)	≈ 0,15 mg/m³

Exposure limit values for the other components

No additional information available

8.1.1 Biological monitoring

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.3. Individual protection measures, such as PPE

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : No data available
Colour : Beige

Odour	:	Characteristic odour
Odour threshold	:	No data available
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	> 35 °C
Flash point	:	31 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Explosive limits	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	Not applicable
Relative density	:	≈ 1,18
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	80000 – 115000 cP
VOC content	:	≈ 4,15 g/l

SECTION 10: Stability and reactivity

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport,Flammable liquid and vapour.
Chemical stability	:	Stable under normal conditions
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7),Avoid contact with hot surfaces,Heat,No flames, no sparks. Eliminate all sources of ignition
Incompatible materials	:	No additional information available
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

acetone; propan-2-one; propanone (67-64-1)	
LD50 oral rat	≈ 5800 mg/kg
LD50 dermal rabbit	> 7400 mg/kg
LC50 Inhalation - Rat	≈ 76 mg/l/4h

Skin corrosion/irritation	:	Not classified pH: No data available
Serious eye damage/irritation	:	Not classified
Respiratory sensitization	:	Not classified
Skin sensitization	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified

acetone; propan-2-one; propanone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure	:	Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Ecotoxicity

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

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

12.2. Persistence and degradability

AS-5800 Vinyl Adhesive	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

AS-5800 Vinyl Adhesive	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

AS-5800 Vinyl Adhesive	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

SECTION 13: Disposal information

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transportation information

In accordance with IMDG / IATA / UN RTDG

14.1. UN number

UN-No.(UN RTDG) : 1133

UN-No. (IMDG) : 1133

UN-No. (IATA) : 1133

14.2. UN proper shipping name

Proper Shipping Name (UN RTDG) : ADHESIVES

Proper Shipping Name (IMDG) : ADHESIVES

Proper Shipping Name (IATA) : Adhesives

Transport document description (UN RTDG) : UN 1133 ADHESIVES, 3, III

Transport document description (IMDG) : UN 1133 ADHESIVES, 3, III

Transport document description (IATA) : UN 1133 Adhesives, 3, III

14.3. Transport hazard class(es)

UN RTDG

Transport hazard class(es) (UN RTDG) : 3
Danger labels (UN RTDG) : 3
:



IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3
:



IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3
:



14.4. Packing Group, if applicable

Packing group (UN RTDG) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not applicable

14.7. Special precautions for user

UN RTDG

Special provisions (UN RTDG) : 223
Limited quantities (UN RTDG) : 5L
Excepted quantities (UN RTDG) : E1
Packing instruction (UN RTDG) : P001, IBC03, LP01
Special packing provisions (UN RTDG) : PP1
Portable tank and bulk container special instructions (UN RTDG) : T2
Portable tank and bulk container special provisions (UN RTDG) : TP1

IMDG

Special provisions (IMDG) : 223, 955
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1

EmS-No. (Fire)	:	F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	:	S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG)	:	A
Properties and observations (IMDG)	:	Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.

IATA

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y344
PCA limited quantity max net quantity (IATA)	:	10L
PCA packing instructions (IATA)	:	355
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	366
CAO max net quantity (IATA)	:	220L
Special provisions (IATA)	:	A3
ERG code (IATA)	:	3L

14.8. Hazchem or Emergency Action Code

EAC code : •3Y.

SECTION 15: Regulatory information

15.1. Safety, health, and environmental regulations specific for the hazardous chemical in question

AS-5800 Vinyl Adhesive		
Regulation		**Component/ Mixture**
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993	Not applicable	AS-5800 Vinyl Adhesive
Environmental Quality (Industrial Effllluent) Regulations 2009		AS-5800 Vinyl Adhesive
Environmental Quality (Scheduled Wastes) Regulations 2007		AS-5800 Vinyl Adhesive
Control of Industrial Major Accident Hazards Regulations 1996		AS-5800 Vinyl Adhesive
Prohibition of Use of Substance Order 1999		AS-5800 Vinyl Adhesive
Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000		AS-5800 Vinyl Adhesive
Chemical Weapons Convention Act		AS-5800 Vinyl Adhesive
Corrosive and Explosive Substances and Offensive Weapons Act		AS-5800 Vinyl Adhesive
Dangerous Drugs Act		AS-5800 Vinyl Adhesive
Pesticides Act		AS-5800 Vinyl Adhesive
Petroleum (Safety Measures) Act		AS-5800 Vinyl Adhesive
Poisons Act 1952		AS-5800 Vinyl Adhesive
Poisons (Psychotropic Substances) Regulations 1989		AS-5800 Vinyl Adhesive

15.2. International agreements

No additional information available

SECTION 16: Other information

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Full text of H-statements	
Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Acute Tox. Not classified (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Not classified
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Eye Irrit. 2	Serious eye damage or eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Safety Data Sheet (SDS), Malaysia

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.