

Revision Date: March 15, 2023  
Print Date: April 14, 2023Product name: **KIBILAC ® HH-ASA**

Version 5

**Section 1. Identification of the substance/ mixture and of the company/ undertaking****1.1 Product identifier**Product name: **KIBILAC ®**

This safety data sheet pertains to the following products: PW-978W

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses: Mixture used for the production of molded plastic articles

**1.3 Details of the supplier of the Safety Data Sheet**

Supplier: CHIMEI Corporation

Address: No. 398, Sec. 1, Zhongzheng Rd., Rende Dist., Tainan City, 717010, Taiwan

Telephone: +886 6 2663000 Ext. 1347

**1.4 Emergency telephone number**

Emergency telephone : +886 6 2663000 Ext. 2501

**Section 2. Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified as hazardous (polymeric state)

Classification according to Regulation (EC) N° 1272/2008 (CLP): Not classified as hazardous (polymeric state)

**2.2 Label elements**

Not labelled as hazardous

**2.3 Other hazards**

vPvB/PBT assessment: not available

**Section 3. Composition/information on ingredients****3.1 Composition of the substance/ preparation**

Substance or Preparation Content	Substance	
CAS	Name	content
26299-47-8	Acrylonitrile-Styrene-Acrylate Copolymer	20~40 %
9010-96-2	$\alpha$ -Methylstyrene Copolymer	60~80 %
Not available	Other Additives	0~8 %

Impurities Contributing to Hazard None

**3.2 Additional information:**

Product name: **KIBILAC ® HH-ASA**

Version 5

Reach Info:

	Registration No.
Acrylonitrile	01-2119474195-34-0045
Styrene	01-2119457861-32-0006 01-2119457861-32-0007 01-2119457861-32-0057 01-2119457861-32-0065 01-2119457861-32-0081
Butyl acrylate	01-2119453155-43-0017
2-phenylpropene (Alpha-methylstyrene)	01-2119472426-35-0022

**3.3 For full text of R- and H-phrases:** see section 16**Section 4. First-aid measures****4.1 Description of first aid measures**

General notes: Remove affected persons from the danger area, at the same time ensuring your own safety. Remove all contaminated clothing immediately

Following inhalation: In case of gases evolving from melted resin, move subject to fresh air. Treat symptomatically

Following skin contact: In case of pellets or powder, wash with water. In case of smelt, wash affected skin area and clothing with plenty of (soap and) water. Seek medical advice

Following eye contact: In case of pellets or powder, flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain.

In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary

Following ingestion: Induce vomiting. Rinse mouth with water. Seek medical advice if necessary

Self-protection of the first aider: -

**4.2 Most important symptoms & effects both acute & delayed**

Dust: Skin irritation, eye irritations and redness

**4.3 Indication of any immediate medical attention and special treatment needed:** -

Treat symptomatically.(Decontamination, vital functions)

**Section 5. Fire-fighting measures****5.1 Extinguishing media**

Suitable extinguishing agents: Water, foam, dry chemical powder

For safety reasons unsuitable extinguishing agents: -

**5.2 Special hazards arising from the substance or mixture:** -**5.3 Advice for firefighters**

Protective equipment: Self-contained breathing apparatus

Further measures: -

Product name: **KIBILAC ® HH-ASA**

Version 5

Revision Date: March 15, 2023  
Print Date: April 14, 2023**5.4 Additional information: -****Section 6. Accidental release measures****6.1 Personal precautions, protective equipment & emergency procedures**

Pellets or powder remained on ground may cause slipping  
Wear protective equipment  
Ensure adequate ventilation  
Keep away from ignition sources  
Keep unprotected persons away

**6.2 Environmental precautions**

Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water.  
Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water, sewage system or soil

**6.3 Methods and material for containment and cleaning up**

Recovery if not contaminated or disposal

**6.4 Reference to other sections**

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

**Section 7. Handling and storage****7.1 Precautions for safe handling**

Protective measures: -

Measures to prevent fire: Prevent from fire around handling area

Measures to prevent aerosol and dust generation: maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.

Measures to protect the environment: -

Advice on general occupational hygiene: -

**7.2 Conditions for safe storage, including any incompatibilities**

Technical measures and storage conditions: Keep the material at a cool dry place. Protect from direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage area.

Requirements for storage rooms and vessels: -

Suitable materials and coating: -

Unsuitable materials or coatings: -

Further information on storage conditions: -

**7.3 Specific end use(s)**

Recommendations: -

**Section 8. Exposure controls/personal protection****8.1 Control parameters**

Exposure Limits: None established

Product name: **KIBILAC ® HH-ASA**

Version 5

Revision Date: March 15, 2023  
Print Date: April 14, 2023**8.2 Exposure control**

Appropriate engineering controls: Install eyes washer and shower in the place of operation. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits

Personal protection:

- Respiratory protection: Wear masks for cleaning molding machines
- Hand protection: Heat-insulating gloves when handling molten form
- Eye protection: Wear safety glasses for general purpose. Wear chemical goggles for cleaning molding machines
- Skin and body protection: Gloves necessary for handling melted resin
- Hygiene measures: Wash hands after handling

**8.3 Environmental exposure controls**

Product related measures to prevent exposure: None specific

Instruction measures to prevent exposure: None specific

Organizational measures to prevent exposure: None specific

Technical measures to prevent exposure: None specific

Environmental exposure controls: Do not allow product to reach sewage system or water bodies

**Section 9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	Physical state: solid, granulate
Odour	Odourless or negligible
Colour	Natural or off-white
Odour threshold	None
pH	Not applicable
Melting point / freezing point	Not determined
Initial boiling point and boiling range	Not applicable
Flash point	>400 °C
Evaporation rate	Not applicable
Flammability (solid, gas)	Yes
Vapour pressure	Not applicable
Vapour density	Not applicable
Specific Gravity	1.03 ~ 1.10
Bulk density	Not available
Solubility(ies)	Insoluble in water
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	>400 °C
Decomposition temperature	>280 °C
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing
Combustion Energy	3.53 x 107 J/kg (8424 Kcal/kg)

**9.2 Other safety information: -****Section 10. Stability and reactivity****10.1 Reactivity:** Non-reactive under normal handling and storage conditions**10.2 Chemical stability:** Stable under normal handling and storage conditions**10.3 Possible hazardous reaction:** -**10.4 Conditions to avoid:** Avoid excessive heat, flames and all sources of ignition

Product name: **KIBILAC ® HH-ASA**

Version 5

Revision Date: March 15, 2023  
Print Date: April 14, 2023**10.5 Incompatible materials:** not applicable**10.6 Hazardous decomposition products:** not applicable**Section 11. Toxicological information****11.1 Information on toxicological effects**

Information on the likely routes of exposure: Oral, Dermal, Inhalation.

Potential acute health effects

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: No specific data.

Inhalation :No specific data.

Eye contact : No specific data.

**Section 12. Ecological information****12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

no data available

**12.3 Bioaccumulative potential**

To avoid bioaccumulation plastics should not be disposed in the sea or in other water environments.

**12.4 Mobility in soil**

no data available

**12.5 Results PBT & vPvB assessment**

According to the revised Annex XIII of regulation (EC) 1907/2006 and (EC) 253/2011: No information available on the product as such

**12.6 Other adverse effects:**

General information: Do not allow to enter into ground-water, surface water or drains.

**12.7 Additional information: -**

Product name: **KIBILAC ® HH-ASA**

Version 5

Revision Date: March 15, 2023  
Print Date: April 14, 2023**Section 13. Disposal considerations****13.1 Waste treatment methods**

Product / Packaging disposal: Dispose in accordance with the current local regulations.

Waste codes according to European Waste Catalogue: -

Waste treatment-relevant information: Inadequate incineration may generate toxic gases such as CO, HCN, AN and SM

Sewage disposal-relevant information: -

Other disposal recommendations: -

**Section 14. Transport information****ADR/RID****14.1 UN number**

Not applicable

**14.2 UN proper shipping name**

Proper Shipping Name: NOT REGULATED

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing Group**

Not applicable

**14.5 Environmental hazards**

Not considered environmentally hazardous based on available data

**14.6 Special precautions for user**

Special Provisions: no data available

Hazard identification No: no data available

**ADNR / ADN****14.1 UN number**

Not applicable

**14.2 UN proper shipping name**

Proper Shipping Name: NOT REGULATED

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing Group**

Not applicable

**14.5 Environmental hazards**

Not considered environmentally hazardous based on available data

**14.6 Special precautions for user**

no data available

**IMDG****14.1 UN number**

Not applicable

**14.2 UN proper shipping name**

Proper Shipping Name: NOT REGULATED

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing Group**

Not applicable

**14.5 Environmental hazards**

Not considered environmentally hazardous based on available data

**14.6 Special precautions for user**

Revision Date: March 15, 2023  
Print Date: April 14, 2023Product name: **KIBILAC ® HH-ASA**

Version 5

EMS Number: Not applicable

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**ICAO/IATA****14.1 UN number**

Not applicable

**14.2 UN proper shipping name**

Proper Shipping Name: NOT REGULATED

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing Group**

Not applicable

**14.5 Environmental hazards**

Not considered environmentally hazardous based on available data

**14.6 Special precautions for user**

no data available

**Section 15. Regulatory information****15.1 Safety, health and environmental regulations /legislation specific for the substance or mixture**

Authorization and / or restrictions on use: None

**15.2 Chemical Safety Assessment**

For this substance a chemical safety assessment is not yet required.

**Section 16. Other information****16.1 Indication of changes**

Version 1: First issue according to Regulations (EC) 1907/2006 (REACH) &amp; 1272/2008 (CLP)

**16.2 Abbreviations and acronyms**

AGS	Ausschuss für Gefahrstoffe	LoW	List of Waste
AF	Assessment Factor	MARPOL	MARine POLLution
BCF	BioConcentration Factor	MIE	Minimum Ignition Energy
CAS	Chemical Abstract Service	N°EC	European Commission number
CMR	Carcinogenic, Mutagenic and Reprotoxic	NFPA	National Fire Protection Association
CSR	Chemical Safety Report	NIOSH	National Institute of Occupational Safety and Health
DFG	German Research Foundation	NOEC	No Observed Effect Concentration
DNEL	Derived No Effect Level	NOELR	No Observed Effect Loading Rate
EC	European Commission	OECD	Organisation for Economic Co-operation and Development
EC50	Effective Concentration (required to induce a 50% effect)	OEL	Occupational Exposure Limit
EEC	European Economic Community	OSHA	Occupational Safety and Health Administration
EWC	European Waste Catalogue Code	PBT	Persistent Bioaccumulable Toxic
IDLH	Immediately Dangerous to Life or Health	PNEC	Previsible Non Effect Concentration
IBC	International Bulk Chemical	QSAR	Quantitative Structure-Activity Relationship
Koc	Soil/Water Partition Coefficient	STOT	Specific Target Organ Toxicity
Kow	Octanol/Water Partition Coefficient	TCLo	Toxic Concentration Low

Product name: **KIBILAC ® HH-ASA**

Version 5

Revision Date: March 15, 2023  
Print Date: April 14, 2023

LC50	Lethal Concentration 50	TDLo	Toxic Dose Low
LD50	Lethal Dose 50	UN	United Nations
LEL	Lower Explosive Limit	UVCB	Unknown or Variable Composition Complex Reaction Products, or Biological Materials
LL100	Lethal Loading	vPvB	very Persistent, very Bioaccumulative
LOEC	Lowest Observed Effect Concentration		

**16.3 Key literature references and sources for data**

<http://esis.jrc.ec.europa.eu/>  
<http://echa.europa.eu/>  
<http://gestis-en.itrust.de>

**16.4 Training advice: -**

**16.5 Further information:** According to the guidance version 2.0 for monomers and polymers from the European Chemicals Agency dated as of April 2012, the classification of the polymer takes into account the classification of all its constituents, such as unreacted monomers. These constituents in fact should be taken into account for classification of the polymer. This means that the same classification methods as for mixture should be applied to polymer substances.

In order to determine a classification for the studies about the water soluble fraction as well as the absorption should be performed on the polymer as such.

*To the best of our knowledge and belief, the information contained herein is accurate and obtained from sources believed to be reliable. No representation is made that the information is complete or the material is suitable for all purposes. The final determination as to the suitability of the user's intended use of the material is the sole responsibility of the user. All materials may present unknown hazards even when used in common applications and accordingly, it is the sole responsibility of the user to understand and address all potential hazards, including those identified herein. The information set forth in Sections 11 and 12 reflects data available as of the date hereof. It is anticipated that such data will be updated.*

