SAFETY DATA SHEET

KisTop PU (Part B)

1 IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME	KisTop PU (Part B) – Hardener
APPLICATION	Solvent based PU
SUPPLIER	Kensetsu International (S) Pte Ltd No.7 Mandai Link #09-24 Mandai Connection Singapore 728653 sales@kst-grp.com
CONTACT TELEPHONE	Phone: (65) 6255 6855 (not in use for 24hours) Fax: (65) 6255 5755

2 HAZARDS IDENTIFICACTION

Classification of the substance or mixture

Flammable liquid	Category 3
Skin Irritation	Category 2
Eye Irritation	Category 2A
Skin Sensitization	Category 1
Carcinogenicity	Category 2
Aquatic Hazard (Long Term)	Category 3

LABEL IN ACCORDANCE with GHS

SIGNAL WORD Warning

HAZARD STATEMENTS: Flammable liquid and vapor Cause serious eye irritation. Cause skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

Prevention	Obtain special instructions before use. Do not handle until all safety Precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Avoid release to the environment. Do not breathe vapor or spray. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water.

	Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	None Known.

3 COMPOSITION/INFORMATION ON INGREDIENS

N-Butyl Acetate CAS-No: 123-86-4	20 - 50% TLV 8 hours (TWA) – 150 ppm STEL (15min) – 200 ppm
Methoxy Propyl Acetate CAS-NO: 108-65-6	20 - 50% TLV 8 hours (TWA) – 100 ppm
Aliphatic Polyisocyanate CAS-No: 28182-81-2	40 - 60%
NOTE: TLV – TWA – Time Weighted Average Threshold Limit Values STEL – Short Term Exposure Limit ppm – parts per million	

4 FIRST-AID MEASURES

INHALATION
Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION
Do not induce vomiting. Get medical attention immediately.

SKIN CONTACT
Remove contaminated clothing immediately and wash skin with soap and water. Seek medical advice immediately if develop skin inflammation.

EYE CONTACT
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: seek medical attention and bring along these instructions.

EFFECT OF OVEREXPOSURE

INHALATION
Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, fatigue, drowsiness, dizziness and/or light headedness, headache, in-coordination, nausea, vomiting, blurred vision, coughing, difficulty with speech, central nervous system depression, intoxication tightness of chest, anesthetic effect or narcosis, difficulty of breathing, allergic response, tremors, liver damage, kidney damage, pulmonary edema, pneumoconiosis, loss of consciousness, respiratory failure, asphyxiation, death. Possible sensitization to respiratory tract.

INGESTION
Ingestion may cause lung inflammation and damage due to aspiration of material into lungs, mouth and throat irritation, mucous membrane irritation, drowsiness, dizziness and/or light headedness, headache, nausea, vomiting, diarrhoea, gastro-intestinal disturbances, abdominal pain, central nervous system depression, anesthetic effect or narcosis, liver damage kidney damage, pulmonary edema, convulsions, loss of consciousness.

SKIN CONTACT
Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting, blistering, severe skin irritation. Possible sensitization to skin.

EYE CONTACT
Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, blurred vision, tearing of eyes, redness of eyes, severe eye irritation, corneal injury

Medical conditions aggravated by exposure
Eye, skin, respiratory disorders, kidney disorders, liver disorders.

5 FIRE-FIGHTING MEASURES

EXTINGUSHING MEDIA
PROTECTION
Dry chemical or foam water fog. Carbon dioxide. Closed containers may explode when exposed to extreme heat or fire. Vapors may ignite explosively at ambient temperatures. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Vapors can foam explosive mixtures in air at elevated temperatures. Closed containers may burst if exposed to extreme heat or fire. May decompose under fire conditions emitting irritant and/or toxic gases.

HAZARDOUS DECOMPOSITION OF COMBUSTION PRODUCTS
Carbon monoxide, carbon dioxide, oxides of nitrogen, acrid fumes, oxide of sulfur, ammonia, oxygen, toxic gases, barium compounds, smoke and soot, unidentified organic compound

FIRE FIGHTING PROCEDURES
Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition.

ENVIRONMENT PRECAUTIONS
Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body. Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS
Clear with liquid absorbent or contain and remove by best available means. Contact local industrial waste disposal company for disposal.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Keep away from heat, sparks and open flame. Keep from freezing, Store below 30 Deg C.

STORAGE PRECAUTIONS
Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

VENTILATION
Provide dilution ventilation or local exhaust to ensure concentration are kept below explosion limit. Use explosion -proof equipment. Use non sparking equipment

ENGINEERING CONTROL MEASURES
Provide adequate ventilation, including appropriate local extraction.

HANDS PROTECTION
Use chemical resistant gloves classified under Standard EN374.

EYE PROTECTION
Use EN166 or equivalent safety goggles (with side shield).

HYGIENE MEASURES
Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SKIN PROTECTOR
Wear apron or protective clothing in case of contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Yellowish
ODOUR	Characteristic
FLASH POINT (CLOSED,°C)	23 °C
VOLATILE BY WEIGHT	40 – 60%
SPECIFIC GRAVITY	0.90 - 1.10

10 STABILITY AND REACTIVITY

MATERIALS TO AVOID
Oxidizers, acids, bases, amines, aluminium, peroxides, nitric acid, phosphorus, caustics

CONDITIONS TO AVOID
Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame, ignition sources.

HAZARDOUS POLYMERIZATION
None Known.

11 TOXICOLOGICAL INFORMATION

Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents maybe harmful or fatal. Other effects of over exposure may include toxicity to liver, kidney, central nervous system, blood.

12 ECOLOGICAL INFORMATION

No specific date available.

13 DISPOSAL CONSIDERATION

GENERAL INFORMATION
Dispose of through an authorized waste contractor to a licensed site, be react with resin component to give an inert polymeric material.

DISPOSAL METHODS
Disposal of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFOMATION

UN Number	: 1263
Proper shipping name	: Paint
Class	: 3
Packing group	: II
Environmental hazard	: No

15 REGULATORY INFOMATION

Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations:
This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.
Applicable national regulations:
Standards on Hazard communication for hazardous chemicals and dangerous goods
SS 586: Part 1: 2021- Transport and storage of dangerous goods
SS 586: Part 2: 2014- GHS of classification and labelling of chemicals
SS 586: Part 3: 2008(2014)- Preparation of safety data sheet

SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations
This product is subject to the requirement of this Acts/Regulations

16 OTHER INFOMATION

REVISION DATE -
REV. NO. SDS-KisTop PU - Pt B- V1
DATE 15/02/2026

DISCLAIMER
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. KENSETSU INTERNATIONAL (S) PTE LTD shall not be held liable for any damage resulting from contact with or handling of the above products.