SAFETY DATA SHEET

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	VALIANT LACQUER SANDING SEALER
Product Code	:	VAL-610
Product Use	:	Protective Coating
Manufacturer	:	H-Chem Industries, Inc. 53 Pasco Ave., Brgy. Santolan Pasig City, Philippines
Telephone no.	:	(632) 8997-8777, 646-8701, 646-8329
Fax	:	(632) 8646-8329
Website	:	www.universalpaint.net
Email address	:	care@universalpaint.net, info@universalpaint.net

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

- Flammable liquids, Category 3
- Skin Irritation, Category 3
- Aspiration Hazard, Category 1
- Specific Target Organ Systematic Toxicity(Single Exposure), Category 1

Signal Word: **DANGER**

GHS Hazard Statements

Physical hazard: Flammable liquid and vapour.

Health Hazard: Causes mild skin irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

Precautionary Statements

Prevention

Keep away from heat, sparks, open flames and/ or hot surfaces.No smoking.
Keep container tightly closed.
Ground and/or bond container and receiving equipment.
Use explosion-proof-electrical ventilating and/or lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust, fume, gas, mist, vapours and/or spray.
Wash thoroughly after handling.
Use only in outdoors or in a well-ventilated area.
Wear protective gloves/ protective clothing/ eye protection/face protection.

Response

In case of fire: use appropriate media for extinction.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water. Rinse skin with water/shower.
Take off contaminated clothing and wash before reuse.
If skin irritation occurs: Get medical advice/attention.

Storage/Disposal

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: COMPOSITION / INGREDIENTS

Component	Identifiers	Concentration
ACRYLIC RESIN		30-50%
NITROCELLULOSE SOLUTION	CAS 9004-70-0	30-50
TOLUENE	CAS 108-88-3	20-40%
IPA	CAS 67-63-0	5-10%

SECTION 4: FIRST – AID MEASURES

Inhalation	:	Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin contact	:	Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.
Eye contact	:	Flush immediately with large amounts of Water, if irritation persist, obtain medical treatment.
Ingestion	:	If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. Wash out mouth and lips with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5: FIRE-FIGHTING MEASURES

Fire extinguishing	:	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.
Unsuitable Extinguishing: Media		Do not use water in a jet.
Unusual Fire and Explosion Hazard	:	Highly flammable: Will be easily ignited by heat, sparks or flames.Containers may explode when heated. Extremely flammable liquid and vapor.

	Vapors may form explosive mixtures with air. Vapor explosion hazard indoors, outdoors or in sewers. Vapors may travel to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Hazardous Combustion: Products	Smoke, soot, fumes or vapors, oxides of carbon, various hydrocarbons.
Advice for Firefighters:	Structural firefighters protective clothing will only provide limited protection. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus. Move container from fire area if you can do it without risk. Use water spray to cool containers exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Emergency Procedures	As an immediate precautionary measure, isolate spill or leak area for at least 50 meters in all directions. Eliminate all ignition sources (no smoking , flares, sparks or flames in immediate area). Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.
Environmental Precautions	Avoid run off to waterways and sewers.
Containment /Clean-up Measures	Stop leak if you can do it without risk. All equipment used when handling the product must be grounded. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparling tools to collect absorbed material. A vapour suppressing foam may be used to reduce vapors. Large Spills: Dike far ahead of liquid spill for later disposal.

SECTION 7: HANDLING AND STORAGE

Handling	Keep away from heat, and ignition sources. No smoking.

	Product can accumulate static charge by flow or agitation. Bond and ground equipment when transferring from one vessel to another. Empty containers retain product residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks or other ignition sources. They may explode and cause injury or death. Use only with adequate ventilation. Do not enter confined spaces such as tanks or pits without following proper entry procedures.
Storage	Store in a cool/low-temperature, well-ventilated place away from heat andignition sources. Keep container closed when not in use. Keep away from incompatible materials.
Incompatible Materials	Keep away from heat, ignition sources oxidizers and strong acids.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Material	ppm	Notation
Nitrocellulose Solution		
IPA		
Toluene		

Engineering Measures/Controls	Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable exposure limit values.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations.
Eye/Face	Wear safety goggles.
Hands	Wear protective gloves, butyl or nitrile rubber with cuffs.
Skin/Body	Where extensive dermal exposure may be either a chemical suit or chemical apron will be needed.
General Industrial Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.Wash thoroughly with soap and water after handling and before eating drinking or using tobacco.
Environmental Exposure Controls	Follow best practice for site management and disposal of waste. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	OPAQUE LIQUID
ODOR	:	AROMATIC ODOR
VISCOSITY	:	75-80KU
PH	:	NA

SOLUBILITY IN WATER	:	IMMISCIBLE
BOILING POINT	:	110-111ºC (Toluene)
FLASH POINT	:	4ºC (Toluene)

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous reactions	Hazardous polymerization will not occur.
Conditions to Avoid	High temperatures, sparks, open flames and live electrical circuits
Incompatible materials	Oxidizing agents, strong acids.
Hazardous Decomposition Product	In case of fire oxides of carbon, hydrocarbons, fumes or vapors, soot and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Component Name	CAS	Data
Toluene	108-88-3	Acute toxicity: LC50 Inhalation vapour, 5000ppm 4hrs rat LD50 Oral 4300mg/kg rat
IPA	67-63-0	Oral (LD50): >5.000mg/kg rat.

Target Organs:	Central Nervous System (CNS)
Routes of entry/exposure:	Inhalation, Skin, Eye, Ingestion
Skin corrosion/irritation:	Causes mild skin irritation. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
Eye	Essentially non-irritating to eyes.
Ingestion	May cause irritation.

SECTION 12: ECOLOGICAL INFORMATION

No ecological testing has been done by h-chem industries, inc. On this product as a whole.

SECTION 13: DISPOSAL CONSIDERATIONS

Product Waste	:	Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.
Packaging Waste	:	Dispose of content and/or container in accordance with local, regional, national, and or international regulation.

SECTION 14: TRANSPORT INFORMATION

	UN Number	UN Proper Shipping Name	Transport hazard class	Packing Group	Environmental Hazards
IMDG	UN 1307	Paint	3	III	no
IATA	UN 1307	Paint	3	III	no

SECTION 15: REGULATORY INFORMATION

NO DATA AVAILABLE

SECTION 16: OTHER INFORMATION

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SDS Effectivity Date : 26 February 2019

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