SAFETY DATA SHEET

510A JETSET™ ALUMINISED URETHANE PRIMER

1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name	***510A JETSET™ ALUMINIZED URETHANE PRIMER B3, D2A, D2B***
Product Use	*A single component aluminized urethane with excellent adhesion to hand cleaned steel, fiberglass, aluminium and aged paints. Can be top coated if a colour coat is required.*
Distributor's Name	*DOR Trading Pty Limited, Trading as IMCO Australasia* *Suite 4, 485 Swift St, Albury NSW 2640*
Manufacturer's Name	*IMCO TECHNOLOGIES INC* *6254 SKYWAY RD, PO BOX 915 SMITHVILLE, ON L0R 2A0*
Emergency Number	*131 126 – Australian Poison Information Centre*
SDS Revision Date	*9th August 2019*

2. COMPOSITION/INFORMATION ON INGREDIENTS					
Hazardous Ingredients	**Weight %**	**CAS Number**	**TWA ppm**	**LD50 ORAL RAT Mg / kg**	**LC50 INHAL RAT ppm**
ALUMINIUM	*10-30*	*7429-90-5*	*N/A*	*N/A*	*10*
4,4'-DIPHENYLMETHANEDIISOCYANATE (MDI)	*10-30*	*101-68-8*	*0.005*	*10,000*	*370-490 (4HR)*
DIPHENYLMETHANE DIISOCYANATE (MDI)	*10-30*	*26447-40-5*	*N/A*	*N/A*	*172-187 (4HR)*
OLEIC ACID	*0.5-1.5*	*112-80-1*	*N/A*	*N/A*	*N/A*
ALIPHATIC PETROLEUM DISTILLATES	*5-10*	*8052-41-3*	*100*	*N/A*	*N/A*
AROMATIC PETROLEUM DISTILLATES	*15-40*	*64742-95-6*	*50*	*8,400*	*18,000*

3. HAZARD IDENTIFICATION	
Route of Entry	*Eye contact, Ingestion, Inhalation, Skin contact.*
Carcinogenic Status	*Not considered carcinogenic by NTP, IARC and OSHA*
Target organs	*Eye, skin, and respiratory tract*
Health Effects: Eye	*Liquid, mist or vapour will cause irritation. Can cause tearing, reddening and swelling. If left untreated, corneal damage can occur and injury is slow to heal. Damage is usually reversible and not permanent.*
Health Effects: Skin	*Can cause localised irritation as well as discolouration.*
Health Effects: Ingestion	*Causes irritation and burning of the mucous membranes of the gastrointestinal tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.*
Health Effects: Inhalation	*Inhalation of vapours/mists at concentration above the exposure limits, can irritate (burning sensation) the mucous membranes in the respiratory tract. Extensive exposures to concentrations of MDI well above the TLV could lead to bronchitis, bronchial spasms and pulmonary oedema. These effects are usually reversible. Chemical or hypersensitive pneumonitis, with flu-like symptoms has also been reported.*

1

4. FIRST AID MEASURES	
First Aid: Eye	*Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.*

1

First Aid: Skin	*Immediately flush skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse.*
First Aid: Ingestion	*If present, treat for diarrhoea and vomiting. Observe for gastrointestinal bacterial infection and treat appropriately with antibiotics.*
First Aid: Inhalation	*Remove from exposure. If there is difficulty in breathing, give oxygen. Obtain medical attention.*

5. FIRE FIGHTING MEASURES	
Conditions of flammability	*COMBUSTIBLE LIQUID. Fire hazard. Avoid heat and flame*
Extinguishing media	*Use water spray, foam, dry chemical or carbon dioxide. Be aware of the possibility of re-ignition. Keep containers and surroundings cool with water spray*
Special hazards of product	*During a fire, isocyanate vapours and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. Cool fire-exposed containers with cold water spray. Heat will cause pressure build-up and may cause explosion.*
Protective equipment for fire fighting	*Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes*
Flash point (PMCC) (oC)	*40°C*
Upper flammable limit % VOL	*7.0*
Lower flammable limit % VOL	*0.6*
Auto ignition temp (°C)	*465°C*
Explosion Data – Sensitivity to impact	*No*
Explosion Data – Sensitivity to static discharge	*Yes*

6. ACCIDENTAL RELEASE MEASURES	
Spill Procedures	*Evacuate all non-essential personnel. Ventilate. Eliminate all sources of ignition. Dyke area to prevent spreading. Large quantities may be pumped into closed, but not sealed, containers for disposal. Absorb isocyanates with sawdust or other absorbent. Shovel into unsealed containers, transport to well ventilated area (outside) and treat with neutralising solution: Mixture of Water (80%), with non-ionic surfactant Tergitol TMN-10 (20%), or; Water (70%), concentrated Ammonia (3-8%) and Detergent (2%). Add about 10 parts of neutraliser per part of isocyanate, with mixing. Allow to stand UNCOVERED for 48 hours to let carbon dioxide escape.*
Personal Precautions	*Eliminate all sources of ignition. Vapours can accumulate in low areas. Consider need for evacuation. Wear chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots that are AS-NZ S1716-2012 approved. Wear respiratory protective equipment.*
Environmental Precautions	*Dyke to prevent the material from entering drains or watercourses. Decontaminate floor with neutralising solution, letting stand for at least 15 minutes.*

7. HANDLING AND STORAGE

Handling	*Avoid skin and eye contact. Avoid breathing vapours or mist. Warning properties (irritation of the eyes, nose and throat or odour) are not adequate to prevent chronic overexposure from inhalation. Protect product from moisture pick-up. Keep container tightly closed*
Storage	*Store in tightly closed containers to prevent moisture contamination. Keep storage temperature between 0 and 50°C. Do not reseal if contamination is suspected. Exposure to vapours of heated isocyanates can be extremely hazardous*

8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Engineering Control Measures	*Local exhaust should be used to maintain isocyanate levels below the TLV. If general ventilation or local exhaust is inadequate, persons exposed to mists should wear approved breathing devices*
Respiratory Protection	*Whenever concentrations of isocyanates exceed the TLV or are not known, respiratory protection must be worn. A positive pressure, air supplied respirator or self-contained breathing apparatus is recommended.*
Hand Protection	*Full-length gloves should be worn during all handling operations. Neoprene gloves.*
Eye Protection	*Splash proof chemical goggles or 8" face shield. Contact lenses should not be worn when working with this product.*
Body Protection	*Discard contaminated protective equipment. If there is danger of splashing, wear overall or apron*
Protecting During Application	*During application, adequate ventilation must be provided. If ventilation is poor, wear respiratory protection. During application, flames and unsealed lights must be extinguished and adequate ventilation must be provided. Use normal precautions such as gloves, coveralls, eye protection and facemask with cartridges approved for inorganic vapours. When spraying, free isocyanates may be present - use air-fed, full-face mask if in enclosed area. Maintain adequate ventilation in enclosed areas*

9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State	*Liquid*
Odour & Colour	*Aromatic, aluminium*
Odour Threshold (ppm)	*N/A*
Specific Gravity	*1.10 – 1.20*
Vapour Density (AIR =1)	*4.1A*
Vapour Pressure = 20 C	*N/A*
Evapouration Rate	*N/A*
Boiling Range / Point (°C)	*152 – 171°C*
Freezing Point (°C)	*-53°C*
Ph	*N/A*
Coefficient of water / oil distribution	*N/A*
Solubility in Water	
VOC (G/L)	*N/A*

10. STABILITY AND REACTIVITY	
Stability	*Stable under normal conditions*
Conditions to avoid	*High temperatures, Static discharge, Open flames, Moisture*
Materials to avoid	*Strong oxidising agents, Alkalis, Acids, Bases, Water, Alcohol. Corrosive to copper alloys*
Hazardous Polymerisation	*May occur. Contact with moisture or other materials that react with isocyanates may cause polymerisation.*
Hazardous Decomposition Products	*BY FIRE – carbon monoxide, oxides of nitrogen, hydrogen cyanide, MDI vapours. Aluminium reacts with water, acids or alkalis to form combustible Hydrogen gas.*

11. TOXICOLOGICAL INFORMATION	
Effects of acute exposure	***Skin Contact*** *- may irritate, defatting, drying.* ***Eye Contact*** *- irritating, may damage eyes.* ***Inhalation*** *- may cause headache, dizziness, drowsiness, intoxication. Isocyanate vapour exposure well above the TLV may lead to bronchitis, bronchial spasm and pulmonary edema. Effects are usually reversible*
Effects of chronic exposure	*Irritation, blistering, ulcerations, pigmentation, hardening of skin*
Exposure limits	*N/A*
Irritancy	*Mild irritation expected*
Sensitisation	*Isocyanate is known to cause skin and respiratory sensitisation in humans. Animal tests have indicated that respiratory sensitisation can result from skin contact with diisocyanatos.*
Carcinogenicity	*No known effect in humans.*
Reproductive toxicity	*No known effect in humans*
Teratogenicity	*Negative*
Mutagenicity	*Positive in the Ames assay but negative*
Toxicologically synergistic products	*Aggravates existing dermatitis.*

12. ECOLOGICAL INFORMATION	
Mobility	*Most of the product is poorly absorbed onto soils or sediments. Some of the product will leach into soil. The product will not dissolve in water.*
Persistence / Degradability	*Data not available.*
Bioaccumulation	*Product may bioaccumulate to a limited extent*
Eco toxicity	*Fish Toxicity – LC50 (24 hr) 500 mg/L – test species: Daphnia Magna, Limnea Stagnalis, and Brachydanio Rerio*

13. DISPOSAL CONSIDERATIONS	
Product Disposal	*Absorb product on an inert material (sand or earth) and transfer absorbed product into a waste container. Do not incinerate closed containers. Dispose of in accordance with all applicable local and national regulations*
Container Disposal	*Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near the container. Do not incinerate closed containers. Empty containers may contain hazardous residues. Dispose of containers with care*

14. TRANSPORTATION INFORMATION	
	TDG Classification
Hazard Label: Not Required	*NOT REGULATED in containers less than 450 litres as per package exemption 1.33 for domestic shipping.*
DOT CFR 172.101 Data	*(<5 litre) Proper Shipping Name: Consumer Commodity, ORM-D*
UN Proper Shipping Name	*PAINT*
UN Class	*3*
UN Number	*UN 1263*
UN Packaging Group	*III*
Flash Point	*40°C*
Hazardous Material	*MINERAL SPIRITS 32%*
Hazardous Label	*3*

15. REGULATORY INFORMATION	
SARA Title III Sect. 304	*Not Regulated*
SARA Title III Sect. 311/312	*Not Regulated*
SARA Title III Sect. 313	*Not Regulated*
WHMIS Classification	*CLASS B, DIV.3 – Combustible Liquid* *CLASS D, DIV.2, SUBDIVISION A - Very toxic material.* *CLASS D, DIV.2, SUBDIVISION B - Material causing other toxic effects*
CEPA Status (DSL)	*All of the ingredients of this product are listed on the Domestic Substances List*
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by CPR.	

16. OTHER INFORMATION	
Hazard Rating	*0 = Minimal; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme*
	Health = 1
	Flammability = 0
	Reactivity = 0
Abbreviations	*N/A: No applicable information found or available*
	CAS#: Chemical Abstracts Service Number
	ACGIH: American Conference of Governmental Industrial Hygienists
	OSHA: Occupational Safety and Health Administration
	TLV: Threshold Limit Value
	PEL: Permissible Exposure Limit
	STEL: Short Term Exposure Limit
	NTP: National Toxicology Program
	IARC: International Agency for Research on Cancer
	R: Risk
	S: Safety
	LD50: Lethal Dose 50%
	LC50: Lethal Concentration 50%
Prepared By	*IMCO TECHNOLOGIES INC*

SAFETY DATA SHEET

510A JETSET™ ALUMINISED URETHANE PRIMER

Provided data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, however, each user should review these recommendations

DOR Trading Pty Limited
Trading as IMCO Australasia
ABN 20 631 473 884
P: 1300 038 855

Suite 4, 485 Swift St, Albury NSW 2640
PO Box 112, Albury NSW 2640
E: info@imcoaust.com.au
W: www.imcoaust.com.au