SAFETY DATA SHEET 2022

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name : ShieldPoly F-15 Side B

Other means of Identification : None

Manufacturer/Importer/Supplier/Distributor

Information : ShieldCrete® International

Company Name : ShieldCrete® International Sdn Bhd

Address : 66 Jalan Setiakasih 9 Bukit Damansara, Kuala Lumpur, Malaysia 50490

Contact Numbers : +66 928 639 833 | +63 966 465 5362

Email : info@shieldcreteinternational.com

Website : www.shieldcreteinternational.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Ratings:

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Eye Corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days

GHS Hazards:

H302	Harmful if swallowed
H319	Causes serious eye irritation

GHS Precautions:

P264	Wash exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P330	Rinse mouth.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor /physician if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P337+P313	Get medical advice/attention.
P501	Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.
WARNING	

SECTION 3: COMPOSITES / INFORMATION ON INGREDIENTS

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Propylene glycol diamine, 2-amino-, diether with Propylene 9046-10-0 50 to 60%	OELs not established	OELs not established	
Diethyltoluenediamine 68479-98-1 10 to 20%5 to 10%	OELs not established	OELs not established	
Poly[oxy(methyl-1,2- ethanediyl)], .alpha., .alpha.',.alpha.''- 1,2,3- propanetriyltris [omega.-(2-aminomethylethoxy) 64852-22-8 10 to 20%	OELs not established	OELs not established	
Trade Secret 5 to 10%	OELs not established	OELs not established	

SECTION 4: FIRST AID MEASURES

Move exposed person to fresh air. If breathing is labored, oxygen should be administered by qualified personnel.

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

After contact with skin, wash immediately with plenty of warm, soapy water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Provided the patient is conscious, wash out mouth with water. Get medical attention if symptoms appear.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media:

Foam, CO^2, or dry powder. Water, Foam, CO^2, or dry powder.

Caution:

Heating or fire can release toxic gas.

Hazardous decomposition products:

Combustion products may include carbon monoxide, carbon dioxide, nitrogen oxides, and hydrocarbons.

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet and protective clothing should be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk-through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

Put on appropriate personal protective equipment (see Section 8). Eating, drinking, and smoking should be prohibited in areas where material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing.

Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and may be hazardous.

Material is to be stored in accordance with local regulations. Store in original container protected from direct sunlight in a dry and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not reseal contaminated containers. Uncontaminated containers, free of moisture, may be resealed only after placing under a nitrogen blanket. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Unsuitable containers: Do not store in containers made of copper, copper alloys or galvanized surfaces.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Propylene glycol diamine, 2- amino-, diether with Propylene 9046-10-0	OELs not established	OELs not established	
Diethyltoluenediamine 68479-98-1	OELs not established	OELs not established	
Poly[oxy(methyl-1,2- ethanediyl)], .alpha., .alpha.',.alpha.''- 1,2,3-propanetriyltris [.omega.-(2-aminomethylethoxy)- 64852-22-8	OELs not established	OELs not established	
Trade Secret N/A	OELs not established	OELs not established	

Engineering Controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Smell is not an adequate indicator of hazard.

Ventilation: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Protective Gear: In case of inadequate ventilation, wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dusts.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow to amber	**Odor**	Faint odor
Vapor Pressure	No Data	**Odor Threshold**	No Data
pH	No Data	**Melting Point**	No Data
Freezing Point	No Data	**Flash Point**	212 F,100 C
Evaporation Rate	No Data	**Flammability**	No Data
Explosive Limits	No Data	**Vapor Pressure**	No Data
Vapor Density	No Data	**Specific Gravity**	1.004
Solubility	No Data	**Partition Coefficient**	No Data
Boiling Range	No Data	**(N-Octanol/Water)**	No Data
Decomposition Temperature	No Data	**Auto Ignition Temperature**	N/A
% Weight Volatile (VOC)	0.00	**Viscosity**	Faint odor

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature. No specific test data related to reactivity is available for this productor its ingredients.

Hazardous Reactions: None known. Stable under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Oral Toxicity LD50: 859mg/kg

Dermal Toxicity LD50: 2,518mg/kg

Component Toxicity:

9046-10-0 Propylene glycol diamine, 2-amino-, diether with Propylene
Oral LD50: 480 mg/kg (Rat) Dermal LD50: 2,090 mg/kg (Rabbit)

68479-98-1 Diethyltoluenediamine
Oral LD50: 485 mg/kg (Rat) Dermal LD50: 700 mg/kg (Rabbit)

Routes of Entry: Inhalation Skin Contact Eye Contact

Target Organs: Eyes Lungs Skin Respiratory System

Effects of Overexposure: NO DATA

Carcinogenicity:

CAS Number	Description	% Weight	Carcinogen Rating
None			No Data

SECTION 12: ECOLOGICAL INFORMATION

Only component information is listed, if any. No testing has been performed on this mixture as it relates to ecological impact.

Component Ecotoxicity

SECTION 13: DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized by using excess product in an alternate, beneficial application wherever possible.

Empty containers may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	Not Regulated			
IATA	Not Regulated			
IMDG	Not Regulated			

SECTION 15: REGULATORY INFORMATION

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

WHMIS Symbol(s)

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30, unless listed below: None.

This product contains the following substance(s), which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and which are listed in 40 CFR 372: None.

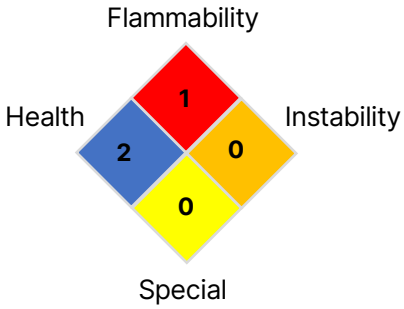
SECTION 16: OTHER INFORMATION

The customer is responsible for determining the proper PPE code for this material within their respective process.

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)		
Health		2
Flammability		1
Physical Hazard		0
Personal Protection		0

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of the MSDS However, since the conditions of handling and use are beyond our control; we make no guarantee of results and assume the liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Finding determination of solubility of chemical is the sole responsibility of the user. No representations or warranties, either expressed implied of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal and local laws and regulations.