Safety Data Sheet
Armour X

The content and format of this SDS is accordant with GHS standard.

1. Identification of the substance/preparation and of the company/undertaking

Product name: Armour X

Supplier: AutoYou Pty Ltd
450 Graham St, Port Melbourne, VIC 3207, Australia
www.autoyou.com.au | enquiries@autoyou.com.au
Phone: 1300 826 801 (Mon to Fri, 9:00 - 17:00 AEST) (General Information. Transport Information. Mild Medical Information.)

Contact Person: Mr. Tao Lim

Emergency nelephone number: Poison Information Hotline: 13 11 26

Application of the substance: Mainly used as protector of coating surface. DO NOT apply it in a way that may contaminate food.

2. Hazards identification

.GHS classification according to Annex Ⅱ:

Physical hazards	Health hazards	Environmental hazards
Explosives-not classified Flammable gases-not classified Flammable aerosols-not classified Gases under pressure- not classified Flammable liquids- 2 Flammable solids-not classified Self-reactive substances and mixtures-not classified Pyrophoric liquids-not classified Pyrophoric solids-not classified Self-heating substances and mixtures-not classified Substances and mixtures, which in contact with water, emit flammable gases-not classified Oxidizing liquids-not classified Oxidizing solids-not classified Organic peroxides-not classified Corrosive to metals-not classified	Acute toxicity (oral)-not classified Acute toxicity (dermal)-not classified Acute toxicity (inhalation)-not classified Skin corrosion/irritation-3 Serious eye damage/eye irritation-2B Respiratory sensitizer-not classified Skin sensitizer-not classified Germ cell mutagenicity-not classified Carcinogenicity-not classified Toxic to reproduction- not classified Aspiration hazard-not classified STOT SE- not classified STOT RE-1(lung, respiratory system)	Acute hazards to the aquatic environment-Not classified Chronic hazards to the aquatic environment-Not classified

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.Signal word: Danger

.Symbol :

.Hazard Statement:

H225: Highly flammable liquid and vapour.

H316: Causes mild skin irritation.

H320: Causes eye irritation

H372: Causes damage to organs through prolonged or repeated exposure (e.g. lung, respiratory system).

.Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/light/…/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves (e.g. rubber gloves) /protective clothing (clothing made of antistatic synthetic fiber) / Eye protection/face protection.

.Response Precautionary Statements:

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P332+313: If skin irritation occurs: Get medical advice/attention.

P304+340+312: 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.

P305 + P351 + P338: IF IN EYES: Remove contact lenses if present and easy to do. continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P309+P311: IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.

P378 : Use proper media for extinction (e.g. CO_2, chemical powder, sand. Do NOT use water jet.).

.Storage precautionary statements :

P403+235 : Store in a well ventilated place. Keep cool.

.Disposal precautionary statements :

P501: Dispose of contents/container to relevant local and national regulations.

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3. Composition/information on ingredients

Product description: substance (); preparation/mixture (√)

Ingredients	CAS	EINECS	% by weight
Siloxane 1	Trade secret	Trade secret	30%-50%
Siloxane 2	Trade secret	Trade secret	20%-40%
Siloxane 3	Trade secret	Trade secret	10%-20%
Siloxane 4	Trade secret	Trade secret	5%-10%
Siloxane 5	Trade secret	Trade secret	5%-10%
Isoparaffin	68551-20-2	271-370-0	5%-10%
Hardening catalyst	Trade secret	Trade secret	2%-3%

4. First aid measures

Persons using this product should consult a physician or other medical professional if an accident involving this product in injury. Specific first-aid measures are as follows:

.Eyes Contact: Immediately raise eyelids and flush with plenty of water at least for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical care.

.Skin Contact: Immediately water contaminated area with plenty of water and soap. If irritation persists, get medical attention.

.Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or you feel unwell: Immediately call a POISON CENTER or doctor/physician.

.Ingestion: Rinse mouth. Do not induce vomiting without professional instruction. Get medical attention immediately.

.Acute effect and delayed effect: Acute effect: It causes irritation to eyes. In case of ingestion, it causes irritation to Intestines and stomach. Delayed effect: It causes damage to organs through prolonged or repeated exposure (e.g. lung, Espiratory system).

.Personal protective equipment: Recommend wearing protective gloves and uniforms. Wear respirators and safety goggles when exposure limits are exceeded or liquid may splash.

5. Fire-fighting measures

.Flash point: 16℃

.Flammable/Explosive Limits-Lower Vol %: No data

.Flammable/Explosive Limits-Upper Vol %: No data

.Extinguishing Media: Use dry chemical or sand for small fire; foam or CO_2 for large fire. DO NOT use water jet. Seek advice from local fire-fighting authority.

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.Fire Fighting Equipments: Firefighters must wear self-contained breathing apparatus and full protective equipment.
.Unusual Fire and Explosion Hazards: This product is flammable. Mixture of its vapor and air may be explosive which may ignite or explode when it is exposed to open flame or heat.
.Hazardous Combustion Hazards: Carbon oxides, nitrogen oxides and fumes may be released from heating or fire which is irritating to respiratory system.

6. Accidental release measures

.Personal precautions: Use proper personal protective equipment as indicated in Section 8.
.Measures for Cleaning/Collection:
Small Spill:
Mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container.
Large Spill:
Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. Do NOT touch spilled material. Keep away from heat and sources of ignition.
Build up dike or dig pit for collection. Spray fog water to cool down and dilute vapor. Dilute the spilled liquid till it is not combustible. Protect the working staff. Collect the spilled material with explosion-proof pump into an appropriate container and transport the waste to the disposal place.
.Environmental Precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

7. Handling and storage

.Handling:
Ensure adequate ventilation.
Workers must wear proper protective equipments and must operate strictly according to relative rules.
Keep away from heat/sparks/open flames/hot surfaces.
Stay away from oxidants and combustible materials.
Workers are recommended wearing anti-poison respirators, safety goggles, anti-poison clothing and rubber gloves.
Avoid damage of packaging or containers during handling.
.Information about fire- and explosion protection:
Keep ignition sources away—Do not smoke.
.Storage:
.Requirements to be met by storerooms: Store it in a well-ventilated, cool and dry store room. Avoid long-time exposure to direct sunlight.
.Additional Information: The storeroom should be equipped with proper facilities for accidental leakage and fire.

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8. Exposure controls/personal protection

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA
Isoparaffin (CAS: 68551-20-2)	Not available	Not available

.Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate vapor or fume, use ventilation to keep exposure to airborne contaminants below the exposure limit.

.Personal Protective Equipments:

.Protection of Hands:

Wear protective gloves. (e.g. impermeable rubber gloves)

.Protection of Eyes:

No special requirements under normal conditions. Wear safety glasses when liquid may contact eyes.

.Respiratory Protection: Use an approved respirator (e.g. anti-poison respirators) if exposure limits are exceeded or if irritation or other symptoms occur.

.Protection of Body:

Recommend wearing uniforms made of antistatic synthetic fiber

.General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

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9. Physical and chemical properties

General Information	
Form	Liquid
Color	Transparent
Odor	Characteristic
Boiling Range	Not available
Melting point/Melting range	Not available
Flash point	16° C
Self-igniting	200° C
Flammable/Explosive Limits-Lower Vol %	Not available
Flammable/Explosive Limits-Upper Vol %	Not available
Density（@20℃）	Not available
Relative Vapor density	Not available
Vapor pressure	Not available
Solubility in/Miscibility with Water	Hardly soluble in water
PH-Value（Saturated solution）	Not available
Octanol-Water Partition Coefficient:	Not available

10. Stability and reactivity

.Chemical Stability: Stable under normal temperatures and pressures.

.Hazardous Decomposition Products: Carbon oxides, nitrogen oxides and fumes may be released from heating or fire which is irritating to respiratory system.

.Materials to avoid: Oxidizing agents and ignition sources.

.Hazardous Polymerizations: Will not occur.

.Conditions to Avoid: High temperature and long-time exposure to direct sunlight.

11. Toxicological information

.Product Toxicity Data: The toxicity data of this product has not been determined by testing or research, but to relevant literature and classification standard in Annex 2 of GHS, this product is basically not toxic. The toxicity data shown below is for reference only.

Ingredient (s)	CAS	LD50/LC50
Impurities of methanol	--	Acute Oral LD50: 5628mg/kg (rats)
Isoparaffin	68551-20-2	Not available

.Contact with Eyes: It causes eye irritation and symptoms may include redness, tear and ache.

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.Contact with Skin: It causes mild irritation to skin.
.Inhalation: It may cause irritation to nose, throat and respiratory system if inhaling concentrated vapor of this liquid. Symptoms may include dizziness, headache, nausea and tightness in chest.
.Ingestion: It can cause irritation to intestinal tract. Symptoms may include nausea, vomiting and bellyache.
.Effects of Overexposure – Chronic: Causes damage to organs through prolonged or repeated exposure (e.g. lung, respiratory system).
.Carcinogenicity: Not listed by IARC, NTP, ACGIH and EPA.
.Sensitivity: Not found.
.Teratogenicity: Not found.
.Mutagenicity: Not found.
.Irritation Data: Not found.

12. Ecological information

.Ecotoxicity: No relevant data for finished product.
.Persistence and Degradability: No relevant data for finished product.
.Bioaccumulative Potential: Not found.
.Mobility in Soil: No relevant data for finished product.
.Notes:
Do not allow product to reach ground water, water course or sewage system.

13. Disposal considerations

Do not allow product to reach sewage system.
Do not throw it into any open bodies of water.
Waste recycling must be operated strictly according to relevant regulations.

14. Transport Information

DOT:

.Proper Shipping Name: Flammable liquids, n.o.s
.Hazard Class: Class 3, flammable liquids
.UN Code: UN 1993
.Packing Group: II

Air-Transportation- IATA/ICAO:

.Proper Shipping Name: Flammable liquids, n.o.s

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.Hazard Class: Class 3, flammable liquids
.UN Code: UN 1993
.Packing Group: Ⅱ

Sea-Transportation-IMO/IMDG.:

.Proper Shipping Name: Flammable liquids, n.o.s
.Hazard Class: Class 3, flammable liquids
.UN Code: UN 1993
.Packing Group: Ⅱ

Note:
Check whether the package is completed or sealed before transporting; make sure there are no damage and no falling down of packages during transporting; the transport vehicle should be equipped with fire-fighting equipments and emergency facilities for handling with release; do NOT transport this product together with incompatible substances.

15. Regulatory information

.Domestic Laws and Regulations:
.General rule for classification and hazard communication of chemicals(GB 13690-2009):
Skin corrosion/irritation-3; Serious eye damage/eye irritation-2B;
STOT RE-1(lung, respiratory system); Flammable liquids- 2
.The Principle of Classification of Transport Packaging Groups of Dangerous Goods (GB/T 15098-2008):
Ⅱ
.Dangerous Chemicals List (GB 12268):
UN1993, flammable liquids, n.o.s, packing group: Ⅱ , hazard class: 3

.International Laws and Regulations:

.TSCA (Toxic Substance Control Act): Isopropyl alcohol (CAS: 67-63-0) is on the U.S. Toxic Substances Control Act Chemical Substance Inventory list.

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16. Other information

DISCLAIMER: This data contained herein are furnished for information only and are believed to be reliable. However, Kisho Corporation Co., Ltd. doesn't assume responsibility for any results obtained by persons over whose methods are not controlled. It is the user's responsibility to determine the suitability of products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of this product. Kisho Corporation Co., Ltd. further disclaims any liability for consequential or incidental damages of any kind, Including lost profits.

References:

GB 15258-2009
GB 16483-2008
GHS Annex Ⅱ
GHS SDS Instruction

Full description of some acronyms:

GHS-Globally Harmonized System of Classification and Labelling of Chemicals
CAS-Chemical Abstracts Service
EINECS-European Inventory of Existing Commercial Chemical Substances
IMO-International Maritime Organization
IMDG-International Maritime Dangerous Goods
IATA-International Air Transport Association
ICAO-International Civil Aviation Organization
TSCA-Toxic Substance Control Act
OSHA-Occupational Safety and Health Administration
ACGIH- American Conference of Governmental Industrial Hygienists

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**********The End **********