



PREMIUM MULTI INDUSTRIES SDN BHD (453846 - X)
15-1-16 Medan Kampung Relau, Bayan Point, Relau 11900 Penang
Tel: 604 – 646 8272, Fax: 604 – 646 9151
<http://www.premium-industries.com>

Material Safety Data Sheet

Section 1 - Identification Of The Substance / Preparation And Company

Trade Name : HIMAX CLEANER K-11 Series
Company : PREMIUM MULTI INDUSTRIES SDN BHD
: No. 15-1-16, Medan Kampung Relau,
: Bayan Point, 11900 Bayan Lepas,
: Penang, Malaysia
Tel : +604-6468272
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Section 2 - Composition / Information On Ingredient

<u>Components</u>	<u>CAS#</u>	<u>%</u>	<u>TLV (PPM)</u>
Propane	74-98-6	15 - 25	950
Butane	106-97-8	15 - 25	950
Petroleum Distillates	64742-47-8	60 - 70	150

Section 3 - Physical And Chemical Properties

Appearance & Odour : Clear liquid with characteristic odour
Type / Form : Aerosol
Flammability : Flammable
Specify Gravity : 0.80
Solubility In Water : Insoluble
Vapor Density (Water = 1) : N/A
Vapor Pressure : N/A

Section 4 - Hazards Identification

Indication of danger : Aerosol, contents under pressure. Extreme heated can may rupture. Repeated or prolonged overexposure to contents may cause skin irritation. Intentional misuse and inhalation of vapors may be harmful or fatal.

Potential Health Effects :

Contact with Eyes : May cause mild irritation and symptoms may include tearing and redness.

Contact with Skin : May cause mild irritation.

Inhalation : High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal

Ingestion : Not considered a likely route of entry.

Potential Environmental Effects : May be harmful to aquatic organisms. However, when used in accordance with instructions given, controlled release of this product in not expected to cause environmental contamination.



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Section 5 - First Aid Measures

- Eye Contact** : Wash eyes with a large quantity of water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, contact a doctor.
- Skin Contact** : Wash off skin with water and soap. If irritation occurs and persists, contact doctor.
- Inhalation** : Remove to fresh air and keep at rest in a position comfortable for breathing.
- Ingestion** : Never give anything by mouth to an unconscious person. Get medical aid immediately. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Section 6 - Fire Fighting Measures

- Extinguishing Media** : Water spray, foam, dry powder, carbon dioxide.
- Fire Fighting Instruction** : Wear full protective equipment and a self-contained breathing apparatus. Toxic gases (carbon oxides, hydrocarbons) may be evolved when heated. Vapors may form explosive mixtures in air. Eliminate all ignition sources when handling. Move containers away from fire if possible and safe to do so. Use water spray to cool fire exposed containers. Provide shielding for personnel exposed to venting, rupturing or bursting containers.
- Special Hazards** : Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force.

Section 7 - Accidental Release Measure

- Personal Precautions** : Remove all sources of ignition. Use proper personal protective equipment as indicated in Section 9. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations.
- Leak / Spill** : Prevent further leakage or spillage if safe to do so. Keep away from drains, surface and ground water. Prevent seepage into sewage system, cellars
- Methods For Cleaning Up** : The product is a hermetically sealed pressurized aerosol and accidental spillage is not likely. If can is ruptured allow the contents to discharge in situ (remove all sources of ignition and ensure maximum ventilation). Absorb any spillage in sand or earth and dispose of to tip under local authority guidelines.

Section 8 - Handling And Storage

- Handling** : Before use carefully read the product label. Ensure adequate ventilation. Use of safe work practices are recommended to avoided eye and inhalation. Do not pierce or burn can after use. Do not spray onto a naked flame or any incandescent material. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Do not breathe vapor directly. Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful.
- Storage** : Store in cool, dry well ventilated area. Store in an upright position. Do not destroy or deface the label. Remove from direct sunlight, ignition sources, oxidizing agents, acids, alkalis and foodstuffs. Keep out of reach of children and incompatible materials. Caution : Contents under pressure. Do not puncture or incinerate. Do not expose or store at high temperatures above 55°C, as container may leak.



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Section 9 - Exposure Control And Personal Protection

Engineering Measures	: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower
Personal Protection	
Respiration Protection	: Not required. - avoid breathing mist.
Eye Protection	: Not required. - avoid contact with eyes.
Hand Protection	: Not required
Skin And Body Protection	: Not required
Hygiene Measures	: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 10 - Stability And Reactivity

Stability	: Stable under recommended storage conditions.
Incompatibility	: Oxidizing agents. Do not mix with other chemicals.
Conditions To Avoid	: Not to be stored above 55°C. Keep away from ignition sources, heat, direct sunlight.
Decomposition Products	: None under normal use.
Hazardous Polymerization	: Will not occur.

Section 11 - Toxicological Information

Inhalation	: Breathing vapors or mists may lead to minimal irritation of the mucous membranes. High concentration may cause drowsiness.
Skin Contact	: May cause mild irritation
Eye Contact	: May cause mild irritation
Ingestion	: Swallowing large amount may cause central nervous system depression and irritation of the mouth and gastrointestinal tract resulting in nausea and vomit.
Chronic Effect	: Prolonged skin contact may lead to dermatitis.
Carcinogenicity	: No evidence of carcinogenicity from available information data.
Mutagenicity	: Not expected to present a risk of genetic damage.
Reproductive Toxicity	: Not known to cause effects on reproduction.

Section 12 - Ecological Information

Information On Elimination	: Product is insoluble in water. Can be separate mechanically in purification plants.
Behavior In Environmental Compartments	: Ecological injuries are not known or expected under normal use.
Ecological Effect	: No data is available on the product itself. Aquatic toxicity is unlikely due to low solubility.



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Section 13 - Disposal Considerations

Waste Disposal Methods : Do not dump into any sewers, on the ground or into any body of water.
Waste must be disposed of in accordance with national, regional and local environment control regulations

Section 14 - Transportation Information

Proper Name : Aerosols
Hazard Class : 2.1
UN No : 1950
Packing Group : II
Transportation Attentions : Installed in metal pressure containers, transportation temperature is below 55°C.

Section 15 - Regulatory Information

The product is considered as following conditions : -

- 1) Extremely flammable
- 2) Harmful if swallow
- 3) Vapours may cause drowsiness and dizziness

Section 16 - Other Information

Hazard Rating :

Health : Slight hazard
Fire Hazard : Severe hazard
Reactive : Minimal hazard

Disclaimer

We believe that the data contained herein is factual and the opinions expressed are those qualified experts, the data are not to be taken, as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation and verification.

Product ShelfLife : 3 Years from Manufacturing Date (Please refer bottom of the cans)
Latest Revision Date : 16/May/2019