

Material Safety Data Sheet

TYPE: PB111

Revision Date: 20 June 2023

MSDS no.: 22-01-017

Section 1- Chemical product and company identification

Trade Name: QUICK START

Effective from: 2025-09-30

MSDS#PB113

Manufacturer/Supplier: A Q H import and export Pty Ltd. (PRIME-BOND)

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Section 2- Composition/Information On Ingredients

Items	No-mixture		Mixture ✓
	Ingredient Name	CAS Number	% vol
01	Petroleum solvent	86290-81-5	10-15%
02	Ether	60-29-7	30-40%
03	LPG	68476-85-7	30-40%
04	6# solvent oil	8032-32-4	10-15%
05	morpholine	110-91-8	0.01-0.03%
06	Carbon dioxide	124-38-9	1-5%

Section 3- Hazards Identification

Risk category: Flammable gas-1

Warning: Dangerous

Pictoria code : GHS02, GHS06

Pictorial chart :



Hazard Statement: Flammable gas

Preventive measures: Avoid inhaling vapors, avoid contact with eyes and skin, and thoroughly clean after operation. Wear protective clothing/gloves/masks during work, and prohibit eating, drinking, and smoking in the workplace.

Emergency response: If a leak or fire occurs, personnel from the contaminated area should be quickly evacuated to a safe area and isolated, with strict restrictions on entry and exit. Take corresponding fire extinguishing measures and notify relevant departments.

Safe storage: Avoid exposure to light and store in a cool and ventilated warehouse.

Section 4-First aid measures

Skin Contact: Remove contaminated clothing , Rinse immediately with running water and soap.

Eyes Contact: Lift the eyelids and rinse with flowing water or physiological saline. Seek medical attention.

Inhalation: immediately move to the fresh air, seek medical attention.

Ingestion: Thoroughly wash your stomach and seek medical attention as soon as possible.

Section 5- Fire fighting measures

Hazardous characteristics:Its vapor can form an explosive mixture with air, which can cause combustion and explosion when exposed to open flames and high heat energy. React with oxidants. Excessive flow rate can easily generate and accumulate static electricity. Its vapor is heavier than air and can diffuse to a considerable distance at lower points. When it comes into contact with a fire source, it will ignite and reignite. If exposed to high heat, the pressure inside the container increases, posing a risk of cracking and explosion.

Harmful combustion products: carbon monoxide, carbon dioxide.

Fire extinguishing method: Firefighters must wear gas masks and full body firefighting suits, and extinguish fires upwind. Try to move the container from the fire to an open area as much as possible. Spray water to keep the fire container cool until the fire is extinguished. If the container in the fire scene has changed color or produced sound from the safety pressure relief device, it must be evacuated immediately. Extinguishing agent: fog water, foam, dry powder, carbon dioxide, sand.

Section 6-Accidental Release Measures

Emergency treatment: Quickly evacuate personnel from the contaminated area to a safe area, isolate them, and strictly restrict entry and exit. Cut off the fire source. It is recommended that emergency personnel wear self-contained positive pressure respirators and anti-static work clothes. Cut off the source of leakage as much as possible. Prevent flow into restricted spaces such as sewers and drainage ditches. Minor leakage: Absorb or absorb with sand or other non combustible materials. It is also possible to burn on site while ensuring safety. Large amount of leakage: Build embankments or dig pits for containment. Transfer to a tank truck or dedicated collector using a pump, recycle or transport to a waste disposal site for disposal.

Section 7- Handling And Storage

Handling precautions: Closed operation with comprehensive ventilation. Operators must undergo specialized training and strictly adhere to operating procedures. It is recommended that operators wear self-priming filter type gas masks (half masks), chemical safety goggles, anti-static work clothes, and rubber oil resistant gloves. Stay away from sparks and heat sources, and smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. Prevent steam leakage into the workplace air. Avoid contact with oxidants. When filling, the flow rate should be controlled and there should be a grounding device to prevent the accumulation of static electricity. When handling, it is important to load and unload with care to prevent damage to the packaging and containers. Equip corresponding types and quantities of fire-fighting equipment and emergency response equipment for leaks. Empty containers may have residual harmful substances.

Precautions for storage: Store in a cool and ventilated warehouse. Stay away from sparks and heat sources. The temperature of the warehouse during the hot season shall not exceed 25 °C. It should be stored separately from oxidants and edible chemicals, and mixed storage should be avoided. Adopting explosion-proof lighting and ventilation facilities. Prohibit the use of mechanical equipment and tools that are prone to generating sparks. The storage area should be equipped with emergency response equipment for leaks and appropriate containment materials.

Section 8- Contact Control / Personal Protection

Occupational exposure limit:

MAC(mg/m³): No data

Respiratory protection: When the concentration in the air exceeds the standard, self-priming filter gas mask (half mask) should be worn.

Eye protection: safety glasses

Body protection: work clothes

Hand protection: latex gloves

Other protection: Eating and drinking are prohibited at the work site. After work, take a shower and change clothes.

Section 9- Physical and chemical characteristics

Appearance and properties: Slightly yellow transparent clear

liquid PH value: N/A

Relative density (water=1): 0.70~0.73

Boiling point (°C): >35

melting point (°C) : -116.2

Flash point (°C): <0

Ignition temperature (°C): 160

Upper explosion limit [% (V/V)]: 36

Lower explosion limit [% (V/V)]: 1.9

Saturated vapor pressure (kPa): / 58.92 (20°C)

Solubility: slightly soluble in water and soluble in most organic solvents such as ethanol, benzene, chloroform, etc

Main Use: Used for starting cars in low-temperature environments

Section 10-Stability And Reaction Flexibility

Stability:Stable

Materials to Avoid: Strong oxidants, oxygen, chlorine, and perchloric acid

Avoid Contact: Exposure to heat

Polymerization hazard: no information.

Decomposition products: no information.

Section 11-Toxicology Data

Acute toxicity: LD50: N/A LC50: N/A

Corrosion/irritation: N/A

Section 12-Ecology Information

Ecotoxicity: It is slightly harmful to water. Do not expose a large amount of products to groundwater, watercourse or sewage system. Its half-life can range from three hours to one day, but this substance can be removed by rinsing with rainwater. Biodegradability: easy to degrade

Other information: This substance is harmful to the environment and special attention should be paid to its pollution of the atmosphere.

Section 13-Disposal

Nature of waste: There is no uniform national regulation for the disposal of chemical residues. Chemical residues are generally treated as special waste.

Disposal method: Add sodium bicarbonate solution, neutralize and dilute, then rinse with water into the wastewater system

Disposal precautions: Special treatment must be carried out in accordance with government regulations.

Section 14-Transportation Information

Proper Shipping Name: AEROSOLS

Dangerous Goods Code: 2.1

UN Code: 1950

Packing Logo: 2

Packaging Category: II

Method of Packing: Use suitable materials for packaging, the products are arranged vertically, and the products are separated by buffers to ensure that there is no friction and damage between the tanks, and each box should be accompanied by a product qualification certificate.

Transportation precautions: during transportation, it is required to load and unload lightly, and it is strictly forbidden to throw it. It should be protected from collision, rain, sun exposure and no upside-down.

Section 15-Regulatory Information

Regulatory information: Regulations on the Safety Management of Hazardous Chemicals (promulgated by the State Council on DEC 1st , 2011), Regulations on the Safe Use of Chemicals in Workplaces ([1996] Labor Department No. 423) and other regulations, addressing the safe use, production, and Corresponding regulations have been made for storage, transportation, loading and unloading; Comply with relevant national laws and regulations.

Section 16-Other Information

Customers can only use the above information as a supplement to other information they obtain, and independently judge the practicability of this information to ensure correct use and protect the health and safety of their company employees. The above information comes from the work and judgment of professionals and is true; however, PRIME-BOND is not liable for any of the above information. Users should carefully analyze all the information to determine whether they are appropriate.