



SAFETY DATA SHEET

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Revised edition no : 01

P-557 PVC PIPE CEMENT NO.70

Effective Date: 14.11.2023

1 Identification of the Product and the company

Chemical Name : PVC PIPE CEMENT NO.70
Type of product chemical family : PVC PIPE CEMENT
Use : Solvent welding cement for PVC, UPVC PLASTICS
Producer : TLC-KOYA CHEMICALS MANUFACTURING SDN BHD
No.22 & 23, Jalan Maju 1,
Cemerlang Industrial Estate,
81800 Ulu Tiram, Johor, Malaysia.
Tel: 607-8675798 Fax: 607-8675799
Website: www.koyachemicals.com Email: admin@koyachemicals.com
Emergency phone no : See producer

2 Hazard Identification

Pictogram :



SIGNAL WORD: Danger

Flammable liquids Category 2
Serious eye damage or eye irritation Category 2
Skin sensitization Category 1
Carcinogenicity Category 2

Hazard Statement:

H225 Highly flammable liquid and vapour
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H351 Suspected of causing cancer
Precautionary statement prevention
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipments.
P241 Use explosion-proof electrical/ventilating/lighting/.../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 thoroughly after handling.
P272 Contaminated work clothing shall not be allowed out of the workplace.
P280 Wear protective gloves. Protective clothing/eye protection.face protection.
P302+P352 IF ON SKIN : Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN(or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment reference to supplemental first aid instruction.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: get medical advice/ attention
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use Foam and dry chemical powder, carbon dioxide extinguisher for extinction.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents and container to appropriate waste site in accordance with local and national regulations.

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3 Composition / Information on Ingredients

Hazardous ingredients : 2-Propanone 5-10 %
Ketocyclohexane 5-80 %
Tetra-methylene oxide 5 - 10 %
Ingredients determined to be non-hazardous 20-24%

4 First Aid Measures

Eye Contact If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poison Centers or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

Skin Contact For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Ingestion Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Inhalation Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

5 Fire-Fighting Measures

Specific hazards Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be warthed. Electrical requirement for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switched and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Fire fighting further advice : If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable extinguishing media : If material is involved in a fire use foam, dry agent (carbon dioxide, dry chemical powder).

6 Accidental Release measures

Small Spills Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labeled containers or drums for disposal.

Large Spills Shut off all possible sources of ignition. Clear area if all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind ir increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

7 Handling and Storage

Handling Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

Storage Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store sway from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.



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8 Exposure controls / personal protection

	TWA		ppm	STEL	CARCINOGEN	NOTICES
	ppm	mg/m ³				
Ketocyclohexane	25	100	-	-	-	Sk
2-Propanone	500	1185	1000	2375	-	-

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

WES-TWA (Workplace Exposure Standard - Time-weighted Average). The time-weighted average exposure standard designed to protect the worker for the effects of long-term exposure.

WES-STEL (Workplace Exposure Standard - Short-Term Exposure Limit). The 15 minute average exposure standard. Applies to any 15 minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue changes, or necrosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

"Sk: Notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low as level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity,

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering measures : Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal protection equipment : OVERALLS, SAFETY SHOUES, CHEMICAL GOGGLES, GLOVES, RESPIRATOR.

Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9 Physical and chemical properties

Viscosity	: 35.5 dPas @ 40°C
Appearance	: Clear
Specific Gravity (H ₂ O=1)	: 1.035 @ 28.9°C
Flash Point	: below 30°C

10 Stability and reactivity

Chemical stability	: This material is thermally stable when stored and used as directed.
Conditions to avoid	: Elevated temperatures and sources of ignition.
Incompatible Materials	: Oxidising agents.
Hazardous decomposition products	: Oxides of carbon and nitrogen, smike and other toxic fumes.
Hazardous reactions	: No known hazardous reactions.

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11 Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Harmful by inhalation. Material may be irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

Skin contact : Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Eye contact : An eye irritant.

Ingestion : Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity

No LD50 data available for the product.

12 Ecological information

Avoid contaminating waterways.

Ecotoxicity : No information available.

Persistence and degradability: No information available.

Mobility: No information available.

13 Disposal Considerations

- The following advice only applies to the product as supplied
- Combination with other materials may well indicate another route of disposal. If in doubt, contact local TLC-KOYA CHEMICALS MANUFACTURING SDN BHD or local authorities.
- Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.
- Care should in any case be taken to ensure compliance with national and local regulations.
- This product is not suitable for disposal by either landfill or via municipal sewers, drains, and natural streams, rivers or seas, they will effect the relationship between living things, plants and their environment.

14 Transport information

ROAD AND RAIL TRANSPORT

UN No: 1133

Dangerous Goods class 3

Proper Shipping Name : ADHESIVE containing flammable liquids

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

MARINE TRANSPORT

classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No: 1133

Dangerous Goods class 3

Proper Shipping Name : ADHESIVE containing flammable liquids

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AIR TRANSPORT

classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 1133
Dangerous Goods class 3
Proper Shipping Name : ADHESIVE containing flammable liquids

15 Regulatory Information

Classification and labeling : Classification /symbol - not regulated
Governing directive : Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997
Safety advice : (May contain information in excess of requirements under applicable laws.)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipments.
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing.
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P501 Dispose of contents and container to appropriate waste site in accordance with local and national regulations.

16 Other information

Further information : None
Print date : 30.4.2018

N/A - Not Applicable N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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