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MATERIAL SAFETY DATA SHEET

SAAF PVC - PVC PIPE TITE 91-1758

1. PRODUCT AND COMPANY IDENTIFICATION

Product:

PVC PIPE TITE ADHESIVE 91-1758

Company:

SAAF Technologies CO. LTD.
Al Kharj road kilo -7
P.O.Box: 8822 Riyadh 11492
Saudi Arabia
Tel: +966 11 4951844
Fax: +966 11 4953565
E-mail: info@saaftech.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Name	CAS-No.	Content %
Polyvinyl chloride (PVC)	9002-86-2	10 - 25
Cyclohexanone	108-94-1	10 - 25
Tetrahydrofuran (THF)	109-99-9	20 - 35
Methyl Ethyl Ketone (MEK)	78-93-3	30 - 50
Acetone	67-64-1	3 - 20
Fumed silica	112945-52-5	1 - 5.4

3. HAZARDS IDENTIFICATION

Hazardous substances present on their own:

Hazard Category:

F Flammable
Xi Irritant F Xi

This product is classed: Flammable, Irritant.

Possibility of irritation to the eyes and skin: Possibility of acute, lethal, noxious effects with symptoms of slight poisoning by inhalation and swallowing.

4. FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
Never induce swallowing in an unconscious person.

In the event of exposure by inhalation:

Move patient into fresh air and keep warm and still.
If breathing is irregular or has stopped, affect mouth-to-mouth resuscitation and call a doctor.
Don't give the patient anything orally.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognized cleaner. DON'T use solvents or thinners.

In the event of swallowing:

If the quantity is small (no more than one mouthful), rinse the mouth with water, administer activated medical charcoal and consult a doctor. Don't induce vomiting. Call a doctor immediately and show him the label. As a general rule, in case of doubt or if symptoms persist, always call a doctor.
Never induce swallowing in an unconscious person.



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In the event of exposure by inhalation:

Move patient into fresh air and keep warm and still.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
Don't give the patient anything orally.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

5. FIRE FIGHTING MEASURES

Chemical powders, CO2 and other extinguishing gas are suitable for small fires.

In the event of fire, the recommended extinguishing agents are:

Use especially suitable extinguishing agents. Never use water.

Extinguishing agents not to be used:

Don't breathe in smoke. Prevent the effluent of fire-fighting measures from entering drains or waterways.

Special equipment for fire-fighting personal:

Fire-fighting personnel are to be equipped with
Autonomous insulating breathing apparatus. Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Safety precautions:

Eliminate any possible source of ignition and ventilate the premises.
Avoid inhaling the fumes.
Avoid any contact with the skin and eyes.
Consult the safety measures listed under headings 7 and 8.

Environmental safety precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, and diatom earth in drums for waterways. Use drums to dispose of waste recovered in accordance with applicable regulations. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

Cleaning methods:

Clean preferably with a detergent, don't use solvents.

7. HANDLING AND STORAGE

Handling:

Handle in well-ventilated areas. The fumes are denser than air. They can spread along the ground and form explosive mixtures with air. Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth. The preparation may become electrostatically charged; always place on the ground during transfer. Wear anti-static shoes and clothes and make floors of conductive materials. Use the product in premises where there are no naked flames or other source of ignition and have protected electrical equipment. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools, which may produce sparks. Do not smoke. Prevent access by unauthorized personnel.

Recommended equipment and procedures:

- Observe precautions stated on label and also industrial safety regulations.
- Packages, which have been opened, must be re-closed carefully and stored in an upright position.
- Avoid inhaling fumes.
- Avoid contact of product with the skin and eyes.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used. Never open the packages under pressure.

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Storage:

- Keep the container tightly closed in a dry place.
- Keep away from food and drink, including those for animals.
- Keep away from all sources of ignition – do not smoke.
- Keep well away from all sources of ignition, heat and direct sunlight.
- The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction. If this ventilation is insufficient to maintain the concentration of solvent fumes below the exposure limits, wear breathing apparatus.

Safety breathing apparatus:

Avoid breathing or inhaling fumes.

Hand Protection:

Use appropriate gloves in the event of prolonged or repeated contact with the hands.

Eyes and face protection:

- Avoid contact with eyes.
- Wear safety goggles.
- Provide eyewashes in workshops where the product is constantly handled.

Skin protection:

Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Base Material	: PVC Resin.	Solid contents	: 21 - 25 %
Color	: Clear.	Setting Time	: 5 Seconds.
Viscosity	: 900 – 1100 CPS	Flash Point	: -20°C.
Density	: 0.90 – 1.00 gm/cm ³	Shelf Life	: 24 months in tightly closed container.

10. STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide.

11. TOXICOLOGICAL INFORMATION

- No data available regarding the preparation itself.
- Splashes in the eyes may cause irritation and reversible damage. It is generally agreed that substances contained are likely to cause the appearance of major lesions which persist for at least twenty-four hours after application to the eye of an animal and are likely to cause significant irritation which lasts for at least twenty four hours after application to the healthy, unbroken skin of an animal for a period of up to 4 hours.

12. ECOLOGICAL INFORMATION

- No ecological data on the product itself is available.
- The product must not be allowed to run into drains or waterways.

13. DISPOSAL CONSIDERATIONS

Must be disposed of by special means such as suitable incineration in accordance with local regulations.

14. TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

OVERLAND	Liquids, inflammable, flashpoint below minus 18 °C / 0 °F; Hazard Class 3.1, UN 1133, Hazardous Constituents: <u>Adhesives</u> , containing a flammable liquid.
AIR	See Overland Classifications for Air Freight. However, containers will require over pack and special instructions.
OTHER (CARRIER SPECIFIC/MARPOL/ETC)	No Specific Information

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15. REGULATORY INFORMATION:

LABELLING



Harmful



Dangerous for the environment



16. OTHER INFORMATION:

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

End of MSDS document