



Safety Data Sheet

Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

Creation Date 07.10.99

Revision Date 06.08.2009

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1. Identification of Products

Product Name:	Liquid PVC For Alkorplan Membrane
Other names:	Fluid PVC Alkorplus
Product Codes:	05 69 003 050 05 69 003 052 05 69 003 054 05 69 003 056

Distributed by: Golden Coast Ltd | Fishleigh Road | Roundswell Commercial Park West | Barnstaple | Devon | EX31 3UA | Tel: 01271 378100 | e-mail: swimmer@goldenc.com

2. Composition

Viscous solution of vinyl polychloride (PVC) in Tetrahydrofuran (THF) with the addition of other additives such as plasticisers (Diethylphtalate, DOP, or similar) stabilisers to heat (salts of fatty acids of barium, zinc, calcium)

Ingredient:	Tetrahydrofuran
Cas No.:	109-99-9
EC No.:	203-726-8
Approx %:	80%

Ingredient:	Vinyl Polychloride
Cas No.:	9002-86-2
EC No.:	-
Approx %:	10%

Ingredient:	Diethylphtalate
Cas No.:	117-81-7
EC No.:	-
Approx %:	7%

3. Hazard Identification

Highly inflammable
Irritating to eyes, skin and respiratory system



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4. First Aid Measures

Take off solvent-soaked garments.

Contact with Skin:

In case of contact with skin, wash immediately with soap and water.

Contact with Eyes:

In case of contact with eyes, rinse immediately with plenty of water.

Ingestion:

Drink 3 – 4 glasses of water - induce vomiting.

Inhalation:

Remove patient to open air.

Seek medical aid.

5. Fire Fighting Measures

Protection measures in case of action:

Clear away all non-indispensable people.

Only persons well trained and informed about the dangers of the product should intervene.

Extinguishers to be used:

Nebulized water or carbonic gas, foam, dust.

Extinguishers not to be used:

No limitation.

Wear protection suits. Use an independent aqualung.

Other precautions:

If possible shift the containers away from the fire. The combustion may provoke the formation of carbon oxides, nitrogen oxides, hydrochloric acid and fumes of metallic oxides.

After the fire, wash the area and equipment which have been involved in the fire, abundantly with water.



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6. Accidental Release Measures

Individual precautions:

Use an aqualung. Do NOT smoke, do not provoke sparks, avoid accumulation of electrostatic charges.

Environmental precautions:

Do not dispel in the environment; respect the national and local regulations.

Prevent the product penetrating into sewerages.

Cleaning methods:

Let the product solidify. Air the room.

7. Handling and Storage

Handling:

Handle away from reactive substances.

Wear caoutchouc gloves.

Storage:

Store in well-aired rooms, cool and far from sources of heat.

Provide for antideflagration electric plants.

Avoid contact with air/oxygen: possible formation of peroxides (slightly volatile compounds which may explode).

Whatever the place of handling or storage of the product - do NOT smoke, avoid flames of any kind, do not provoke sparks, avoid the accumulation of electrostatic charges.



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8. Exposure Controls / Personal Protection

Technical measures:

Ventilation of rooms

Limit values of exposure:

TLV (ACGIH) 1994/95

TWA 200 ppm or 590 mg/m³

STEL 250 ppm or 737 mg/m³

Hand protection:

Protective gloves – chemical resistant.

Eye protection:

Sealed glasses for chemical risks.

Body and skin protection:

Wear clothes which cover completely.

Other measures:

Ocular showers and fountains.



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9. Physical and Chemical Properties

Appearance:

Liquid; the viscosity increases as a function of the evaporation of the solvent.

Colour:

Colourless or coloured.

Odour:

Acetone/ether.

Boiling point:

65 - 150°C

Inflammability point:

-21°C

Burst point:

Inf. 1.5% Sup. 12%

Inflammability temperature:

215°C

Volatility:

173 mbar (at 20°C) The vapours are heavier than the air and may form explosive mixtures.

Density:

0.93g/cm³

The solvent is miscible with water and with many organic solvents. The solute (plastic component) is soluble only in some specific solvents such as dimethylformamide, methylethylketone.



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10. Stability and Reactivity

Stability:

Possible formation of peroxides (risk of burst).

Conditions to be avoided:

Direct sunlight – heat.

Other information:

Danger of burst.

11. Toxicological Information

High toxicity:

Orally, LD 50, rat, 4,400 mg/kg

Inhalation, LC 50, rat, 55-60 mg/l (4 hours)

Irritation:

Irritant for the mucosa (eyes, respiratory tracts), risk of absorption of the skin, it may provoke narcosis.

Limits of exposure (TLV) According to ACHIH (American Hygienist Association):

TWA: 220 ppm or 590 mg/m³

STEL: 250 ppm or 737 mg/m³



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12. Ecological Information

High ecotoxicity:

Fish, LC 50 2, 160 mg/l (96 hours)

Degradability:

Low quantities are biodegradable and do not damage the biologic activity of the water.

The plastic components are not soluble in the water.

Chemical demand of oxygen:

1,572 mg/l

13. Disposal Considerations

Follow the local rules.

Disposal must take place in authorised plants

14. Transport Information

Labelling (name of product)	Tetrahydrofurane
UN Number	2056
IATA Class 3	
Package Group	II
Label	Inflammable liquid
IMDG Class 3.1	
Package Group	II
Label	3 Inflammable liquid
RID Class 3, 3/b	
Package Group	II
Label	3
ADR Class 3, 3/b	
Package Group	II
Label	3

At each delivery the CEFIC TEC (R) 601 safety data sheet has to be given to the carrier (driver)



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15. Regulatory Information

Labelling:

Name of product: Tetrahydrofurane

Symbols:

F Easily inflammable

Xi Irritant

R Phrases:

11 Easily inflammable

19 It may form explosive peroxides

36/37 Irritant for the eyes and respiratory tracts

S Phrases:

2 Keep away from children

16 Keep away from flames and sparks – do not smoke

29 Do not throw the remnants into sewerages

33 Avoid the accumulation of electrostatic charges

National Regulations:

Risks of serious accidents (DPR 175/88 and following modifications).

The product is subjected to the normative fulfilments.

Sanitary controls of law (DPR 303/56).

The product is not quoted in the enclosure of the DPR.

However, keep in mind what is exposed in art. 34 of the above said DPR regarding periodic visits.



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16. Other Information

Documents: BASF Information July 22, 1993.

06/95 edition for adriplast spa following the no 1 edition dated june 8, 1995 of the plavina & cie snc. manufacturing factory.

The information in this material safety data sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations and management and for persons working with or handling this product. The manufacturer believes this information to be reliable and up to date as of the date of publication, but makes no warranty that it is.

Additionally, if this material safety data sheet is more than three years old, you should contact the manufacturer to make certain that this sheet is current.

Note:

This data sheet does not constitute a user's assessment of workplace risk as required by HSW act, COSHH, management of health and safety at work regulations, or other health and safety legislation.