
SOLVENT SEAL
MSDS

1. Substance/preparation and company name

Solvent Seal R-19 and Solvent Seal S-24

Company Name

Imprinted Concrete Systems (Northern) Limited
Unit 4 Kirkham Trading Park
Freckleton Rd.
Kirkham
Preston
PR4 3RB

Emergency Information

Tel: 01772 681505
Fax: 01772 682272

2. Composition/information on ingredients

SOLVENT SEAL R-19 AND S-24 is a petroleum spirit based solution of a co-polymer on n-butyl acrylate and styrene.

3. Possible Hazards

Critical hazards to man and the environment: flammable

4. First aid measures

General advice:	Remove contaminated clothing. If danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial respiration if necessary.
If inhaled:	Keep patient calm, remove to fresh air. summon medical help.
On skin contact:	Wash thoroughly with soap and water.
On contact with eyes:	Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
On ingestion:	Immediately rinse mouth and then drink plenty of water, summon physician.

5. Fire fighting measures:

Suitable extinguishing media; water spray, dry extinguishing media, foam carbon dioxide.

6. Accidental release measures.

Soak up remainder with absorbent material. [e.g.Kieselgur].

7. Handling and storage

Protect against fire and explosion. Take precautionary measures against static charges. Keep away from sources of ignition NO SMOKING!

8. Exposure controls and personal protection

Additional information on the lay-out of technical plant

Components with work place control parameters

Ethylbenzene,	CAS-No.	100-41-4
Styrene,	CAS-No.	100-42-5
Toluene,	CAS-No.	108-88-3
Xylene,	CAS-No.	1330-20-7
Benzene,	CAS-No.	71-43-2
Tert- Butyl acrylate,	CAS No.	1663-39-4;
2-methylpropan-2-ol,	CAS No.	75-65-0

Refer to the current edition of HSE guidance note EH 40 on Occupational exposure limits (United Kingdom)

This product should be considered when making any assessment under the UK control of substance hazardous to health regulations (COSHH), and amendments (United Kingdom).

Personal Protective Equipment

Hand protection:	Protective gloves solvent-resistance
Eye protection:	Goggles
General safety and hygiene measures:	Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

Form:	Liquid
Colour:	Colourless
Odour:	Benzine-like

Change in physical state

Boiling point/boiling range: 140 degrees Celsius (petroleum spirit)

Flash point: 25 degrees Celsius (Din 53 213 B.1)

Combustibility:

Explosion limits

- Lower 1.0 vol. % (petroleum spirit)
- Upper 9.0 vol% (petroleum spirit)

Auto Ignition temperature 480 degrees Celsius (DIN 51 794)

Fire promoting properties

Vapour pressure:	(10 degrees Celsius) 5 mbar (approx.)
Density:	(20 degrees Celsius) 0.93 g/cm ³ (approx) (solution) (DIN53 217)
Solubility in water:	Insoluble
Solubility in other solvents:	
pH value:	Not applicable
Viscosity:	(23 degrees Celsius) 320 - 430 s, nozzle 6mm (DIN-ISO 2431)

10. Stability and reactivity

Hazardous reactions: No decomposition if used correctly

11. Toxicological information

In our experience and according to information available to us the product is not harmful to health providing it is correctly handled and processed according to the given recommendations.

The toxicity of the product is determined mainly by the solvent (or solvents).

Additional information:

Prolonged exposure to the product can result in irritation to the skin and mucous membranes.

12. Ecological information

Elimination information

The product is not readily soluble in water. Can be separated from water mechanically in effluent treatment plants. The solvent is biodegradable.

Behaviour and environmental fate

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

The high viscosity of the polymer can cause difficulties in pipe work and effluent treatment plants.

Ecotoxic effects

No data available

Further ecological information

Do not discharge product into natural water without pre-treatment
(Biological treatment plant)

Local effluent treatment regulations should be complied with.

13. Disposal considerations

Must be disposed of by special means, Via an authorized waste disposal contractor to an approved waste disposal site, observing all the local and national regulations.

The UK Environment protection (Duty of care) Regulations (EP) and amendments should be noted (United Kingdom.)

14. Transport information

Land transport

ADR/RID/GGVS/GGVE Class: 3 Items number/ letter: 31c
Warning panel Hazard-no: 30
UN-NO: 1307
Remarks: Hazchem code 3 (Y)

Inland waterway transport

ADN/ADNR Class 3 Item number/letter: 31c Remark:

Sea transport

IMDG/GGVSee Class 3.3 UN-NO: 1307 PG: III EMS: 3-05
MFAG: 310

Marine pollutant: no

Proper technical name: RESIN SOLUTION, FLAMMABLE (CONTAINS TESTBENZIN)

Air transport

ICAO/IATA Class: 3 UN/ID-NO: 1307 PG: III
Proper technical name: RESIN SOLUTION, FLAMMABLE (CONTAINS TESTBENZIN).

Remarks:

Other information

This product is subject to the UK Road Traffic (Carriage of dangerous substances in packages etc.) Regulations (PGR) and amendments (United Kingdom).

If carried in bulk, this product is subject to the UK road traffic (carriage of dangerous substances in road tankers and tank containers) regulations (RTR), and amendments.

15. Regulatory information

Labelling according to EEC directives

R-phrase (S):
R10 - Flammable.

Handle in accordance with good industrial hygiene and safety practice.

National legalisation/regulations

This product is classified under the UK chemicals (Hazard information and packaging) Regulations, (CHIP) (United Kingdom).

This product may be subject to the control of Industrial Major Accident Hazards Regulations (CIMAH), and amendments if specific threshold tonnages are exceeded (United Kingdom)

Since this product has a flash point less than 61°C packaged goods should be stored in accordance with HSE guidance note HS (G) 51 (United Kingdom).

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.

Warranty and Limit of Liability.

The Seller warrants that the Goods are produced within the accepted tolerance levels in accordance with the standard specifications stated in the Seller's official literature on the Goods current at the relevant time. Save as aforesaid, all other conditions, guarantees, or warranties whether express or implied by statute, common law or otherwise including (but without prejudice to the generality of the foregoing) conditions, guarantees, or warranties as to quality, fitness for purpose or description of the Goods or their life or wear or use under any conditions whether known or made known to the Seller or not hereby excluded. The Seller's liability for any and all direct loss or damage resulting to the Buyer from defects in the Goods or any other cause shall be limited to the purchase price of the quantity of the Goods in respect of or in relation to which such loss or damage is claimed. Subject as aforesaid the Seller shall be under no liability in contract or in tort for any loss or damage or personal injury arising directly or indirectly out of the supply or use of the Goods or containers other than death or personal injury resulting from the negligence of the Seller within the meaning of Section 1 of the Unfair Contract Terms Act 1977.