

Material Safety Data Sheet

Starpach Concrete Products
#5 6420 Beresford Street,
Burnaby, BC V5E 1B6
(604) 433-7355

PRODUCT: Liquid Release Agent

Section 01: Chemical Product and Company Identification

Manufacturer	Technik Decorative Products #5 6420 Beresford Street, Burnaby, BC V5E 1B6
Prepared by	Chemist
Preparation Date	Nov 14, 2019
Product Name	Technik Liquid Release Agent
Product Code	TLRA
Chemical Formula	N. AV.
Molecular Weight	N. AP.
Material Use	Concrete release agent
Emergency Phone No	(604) 433-7355

Section 02: Composition/Information on Ingredients

Ingredients	Exposure Levels	LD/50, Route, Species	LC/50, Route, Species
Naphtha (petroleum), Hydrotreated Heavy 64742-48-9		Rat: Oral, 5000.0mg/kg Rabbit: Dermal, 3160/mg/kg	

Section 03: Hazards Identification

Route of Entry:	
Skin Contact	may cause mild skin irritation. Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.
Skin Absorption	See above
Eye Contact	May cause mild eye irritation. May cause mild discomfort.
Inhalation	Overexposure by inhalation may cause central nervous system depression which may be characterized by drowsiness, dizziness, confusion, loss of coordination, unconsciousness, and at very high concentrations even death.
Ingestion	Low toxicity. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death.

Section 04: First Aid Measures

Instructions:	Eye contact: Flush eyes with plenty of water until irritation subsides. If irritation persists or signs of toxicity occur, seek medical attention. Skin contact: Flush skin with plenty of water. If irritation persists, seek medical attention. Inhalation: Move person to fresh air. Administer artificial respiration if breathing has stopped. Allow victim to rest in a well-ventilated area. Seek immediate medical attention. Ingestion: Do not induce vomiting. Seek immediate medical attention.
Notes to physicians:	Treatment based on sound judgement of physician and individual reactions of patient.

Section 05: Fire Fighting Measures

Flash Point	54° C/ 129.2° F
Flash Point (C) Method	ASTM D56
Auto Ignition Temperature	246° C/ 475° F
Lower Flammable Limit (% by vol.)	.7%
Upper Flammable Limit (% by vol.)	5.3%
Extinguishing Media	Use dry chemicals, CO2, alcohol foam or water spray
Special Exposure Hazards	Combustible. May release vapors that form flammable mixtures at or above the flash point. Use water spray to cool fire-exposed containers and structures. Shut off fuel to fire. Avoid spraying water directly into storage containers due to danger of boilover. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.
Hazardous Decomposition/Combustion Materials (under fire conditions)	Carbon monoxide. Carbon Dioxide.
Special Protective Equipment	Fire fighters should wear full protective clothing, including self-contained breathing equipment.
NFPA Ratings for this product are:	Health 1, Flammability 2, Instability 0
HMIS Ratings for this product are:	Health 1, Flammability 2, Reactivity 0

Section 06: Accidental Release Measures

Personal Precautionary Measures	Wear appropriate protective equipment
Environmental Precautionary Measures	Prevent entry into sewers or streams, dike if needed. Consult local authorities.
Procedure for Clean Up	Land Spill: Eliminate source of ignition. Keep public away. Prevent additional discharge of

material, if possible to do so without hazard. Prevent spills from entering sewers, watercourses or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping (use an explosion proof motor or hand pump), or by using suitable absorbent.

Water Spill: Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. If the flash point exceeds the ambient temperature by 10° C or more, use containment booms and remove from the surface by skimming or with suitable absorbents when conditions permit. If the flash point does not exceed the ambient air temperature by at least 10° C, use booms as a barrier to protect shorelines and allow material to evaporate. Seek the advice of a specialist before using dispersants.

Special Protective Equipment

NFPA Ratings for this product are:

HMIS Ratings for this product are:

Fire fighters should wear full protective clothing, including self-contained breathing equipment.

Health 1, Flammability 2, Instability 0

Health 1, Flammability 2, Reactivity 0

Section 07: Handling and Storage

Handling

For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. DO NOT handle or store near an open flame, heat, or other sources of ignition. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. DO NOT pressurize, cut, heat, or weld containers. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personnel protective equipment.

Storage

Store in a cool, dry, well ventilated area, away from heat and ignition sources. Place away from incompatible materials. Store in accordance with good industrial practices.

Section 08: Exposure Controls/Personal Protection

Engineering Controls

Use process enclosure, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Use explosion proof equipment.

Respiratory Protection

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use a NIOSH approved supplier air respirator.

Gloves

Appropriate chemical resistant gloves should be worn.

Skin Protection

Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.

Eyes

Chemical safety glasses with side shields or splash proof goggles.

Other Personal Protection Data

Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section 09: Physical and Chemical Properties

Physical State

Liquid

Colour

Clear Colourless

Odor

Faint Petroleum

pH

Not Available

Specific Gravity

0.762 @ 15.6° C

Boiling Point

182-204° C / 360-399° F

Freezing/Melting Point

<-78° C / <-108° F

Vapour Pressure

0.09 kPa @ 20° C

Vapour Density

5.6 @ 101 kPa

% Volatile by Volume

100%

Evaporation Rate

0.09

Solubility

Negligible in water

VOCs

763 g/l @ 15° C; 6.359 lbs/gal (EPA method 24)

Viscosity

1.84 cST @ 25 C

Molecular Weight

162

Other

Not available

Section 10: Stability and Reactivity

Chemical Stability

Stable

Hazardous Polymerization

Will not occur

Conditions to Avoid

Avoid excessive heat, open flames and all ignition sources

Materials to Avoid

Strong oxidizing agents

Hazardous Decomposition Products

None

Additional Information

No additional remark

Section 11: Toxicological Information

Principal Routes of Exposure

Ingestion

Low toxicity. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possible death.

Skin Contact

May cause mild skin irritation. Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.

Inhalation

Overexposure by inhalation may cause central nervous system depression which may be characterized by drowsiness, dizziness, confusion, loss of coordination, unconsciousness, and at very high concentrations even death.

Product: Liquid Release Agent

Material Safety Data Sheet

Eye Contact
Additional Information

May cause mild eye irritation. May cause mild discomfort.
Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Acute Test of Product
Acute Oral LD50
Acute Dermal LD50
Acute Inhalation LC50
Carcinogenicity:

Not available
Not available
Not available

Ingredients	Ecotoxicity – Carcinogens	ACGIH - Carcinogens
Naphtha (petroleum), Hydrotreated Heavy	Not listed	Not listed

Carcinogenicity Comment
Reproductive Toxicity/Teratogenicity/
Embryotoxicity/Mutagenicity

No additional information available
Not available

Section 12: Ecological Considerations

Ecotoxicological Information:

Ingredients	Ecotoxicity – Fish Species Data	Acute Crustaceans Toxicity	Ecotoxicity – Freshwater Algae Data
Naphtha (petroleum), Hydrotreated Heavy	LC50 (Pimephales promelas) 2200 mg/L	Not available	Not available

Section 13: Disposal Considerations

Disposal of Waste Method
Contaminated Packaging

Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
Empty containers should be recycled or disposed of through an approved waste management facility.

Section 14: Transport Information

Dot (U.S.)
Dot Shipping Name
Dot Hazardous Class
Dot UN Number
Dot Packing Group
Dot Reportable Quantity (lbs)
Note
Marine Pollutant
TDG (Canada)
TDG Proper Shipping Name
Hazard Class
UN Number
Packing Group
Note
Marine Pollutant

Petroleum Distillates, N.O.S.
3
UN1268
III
Not available
No additional remark
no
Petroleum Distillates, N.O.S.
3
UN1268
III
Not regulated under the Transportation of Dangerous Goods Act when transported by road or rail in packagings or containers of 450 L or less (waste excluded)
No

Section 15: Regulatory Information

U.S. TSCA Inventory Status
Canadian DSL Inventory Status
Note

All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.
Not available

US Regulatory Rules:

Ingredients	CERCLA/SARA – Section 302:	SARA (311,312) Hazard Class:	CERCLA/SARA – Section 313:
Naphtha (petroleum), Hydrotreated Heavy	Not listed	Not listed	Not listed

California Proposition 665
MA Right to Know List
New Jersey Right to Know List
Pennsylvania Right to Know List
WHMIS Hazardous Class

Not listed
Not listed
Not listed
Not listed
B3 Combustible Liquids