



Safety Data Sheet TR-10x Mould Release Wax

Updated Jan 2024

1. Identification of the Material and Supplier

Product Name:	TR-10x Family of Mould Release Wax TR102 Regular TR104 High Temp TR108 Mould Release Wax TR110 Soft Flange Wax
Product Code:	TR102REGWAX TR104HITEMPWAX TR108WAX TR110 SFLANGEWAX
UN Number:	UN3175
DG Class:	4.1
Shipping Name:	Flammable Solid
Packaging Group:	II
Hazchem Code:	1Z
Intended Use:	Surface Preparation on GRP Moulds
Company:	H S Composites Ltd
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2. Hazard Identification

Regulatory Information:

Class 4 Substances Group Standard 2020, October 2020

HSNO Approval Number: HSR002522

Dangerous Goods Class: 4.1

HAZARDOUS CLASSIFICATIONS

Flammable Solid	Category 2
Skin Corrosion/Irritant	Category 2
Aquatic Toxicity (Acute)	Category 2
Aquatic Toxicity (Chronic)	Category 2
Specific Target Organ Toxicity (Repeat Exposure)	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 3

Signal Word: **DANGER**

Pictograms:



Flammable



Irritant



Harmful



Aquatic Hazard

HEALTH HAZARDS

H228	Flammable Solid
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H372	Causes damage to organs through prolonged or repeated exposure

ENVIRONMENT HAZARDS

H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS**PREVENTION**

P201	Obtain instruction before using this product, read Safety Data Sheet/Label
P210	Keep away from ignition sources such as heat/sparks/open flame/hot surface. No smoking.
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion proof equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe vapours
P264	Wash hands and exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or well-ventilated areas
P273	Avoid release into the environment
P281	Use personal protective equipment as required

RESPONSE

P101	If medical advice is needed, have product container or label at hand
P302 + P352	If on skin, wash with plenty of soap and water
P332 + P313	If skin irritation occurs, get medical advice
P362	Take off contaminated clothing and wash before reuse
P304 + P340	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing.
P312	Call POISON CENTRE or DOCTOR if you feel unwell
P308 + P313	If exposed or concerned seek medical advice
P314	Get medical advice if you feel unwell

STORAGE

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P235	Keep cool.
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P405	Store in a locked area

DISPOSAL

P501	Dispose of product and packaging in accordance with local and Governmental regulations
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Dangerous Goods Classification 4.1

Packing Group II

Hazchem Code 1Z

3. Composition / Information on Ingredients

Component	Cas No	Proportion
Medium Aliphatic Naphtha	64742-88-7	70-80%

4. First Aid Measures

For advice, contact the National Poisons Centre
(Phone New Zealand: 0800 764 766) or a doctor.

If seeking medical attention show this Safety Data Sheet to the Doctor in attendance.

Inhalation: Aspiration into the lungs can produce severe lung damage. Move the person to fresh air immediately. Begin artificial respiration if breathing has stopped and get immediate medical assistance. Do not use mouth to mouth method if the victim has ingested or inhaled the substance, give artificial respiration with the aid of a pocket mask. If breathing is difficult only trained personnel should administer oxygen. Get immediate medical attention. Keep warm and at rest until recovered. Get medical advice if person feels unwell or is concerned. Delayed pulmonary edema may occur.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin with soap and water. It may cause an allergic skin reaction, if skin irritation develops or persists, get medical advice. Launder contaminated clothing before re-use.

Eye Contact: Rinse immediately with plenty of water also under the eyelids keeping them apart and flush the eye continuously with running water for at least 15 minutes. Remove contact lenses after 5 minutes if present, and easy to do. Continue flushing. Get immediate medical advice/attention if irritation persists. DO NOT rub affected area.

Ingestion: Immediate medical attention is required. **ASPIRATION HAZARD IF SWALLOWED – CAN ENTER LUNGS AND CAUSE DAMAGE.** If swallowed, DO NOT induce vomiting. Rinse mouth. Get immediate medical attention. If spontaneous vomiting takes place keep head

below hips to prevent aspiration. Clean mouth with water and drink plenty afterwards, never give anything to a person who is unconscious.

Protection for First-Aider: Ensure that those giving assistance and medical personnel are aware of the materials involved, take precautions to protect yourself or any other personnel from contamination. Use PPE.

Acute and Delayed Symptoms: Difficulty in breathing, coughing and/or wheezing, dizziness.

First Aid facilities: Provide eye baths and safety showers close to areas where splashing may occur.

Note to Doctor/Physician: Treat symptomatically. Because of the danger of aspiration, then the use of gastric lavage or emesis may be required, this decision has to be made by medical personnel.

5. Fire Fighting Measures

Flammable liquids and vapours: Shut off product that may 'fuel' a fire if safe to do so. Remove all persons from the immediate area, allow only trained personnel to attend a fire in progress, provide fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable extinguishing media: Water fog, alcohol resistant foam, dry chemical or carbon dioxide (CO₂). Caution: The use of water spray may be inefficient.

DO NOT use straight jet streams of water.

Hazards from combustion: Keep product and empty containers away from heat and sources of ignition. In the event of a fire Keep surrounding containers cool by spraying with water. When burning do not breath fumes/smoke.

Precautions for fire fighters and special protective equipment: Full protective clothing and self-contained breathing apparatus with a full-face piece. Move other containers from the area if safe to do so without risk to yourself or others.

Hazchem Code: 1Z

SPECIAL FIREFIGHTING PROCEDURES.

Product may be transported in a molten form. Water used in fire-fighting should not be allowed to enter drainage systems, waterways, sewers or contaminate soil.

6. Accidental Release Measures

Steps to be taken if the material is released or spilled.

Evacuate personnel to a safe area.

Wear the correct Personal Protection Equipment. See section 8 for requirements.

Stop leakage if safe to do so, do not put yourself in a position of harm or danger.

Eliminate all sources of ignition (flames, hot surfaces, electrical, static or frictional sparks).

Evacuate immediate area. Ventilate the surrounding area. Do not walk in spillage.

Contain the area of spillage, do not touch damaged containers unless wearing the correct PPE. If safe to do so material can be collected and placed in a container for disposal. Absorb remainder on the floor with sand, vermiculite or other non-combustible material. Place collected material in a closed container that is suitable for that product and label for disposal.

Prevent contamination of storm-water drains, sewers and waterways.

Waste disposal method. Destroy by liquid incineration with off-gas scrubber.

Contaminated absorbent to be disposed of in accordance with appropriate local or governmental regulations.

Correctly label all material containers to be disposed of and supply copy of SDS for that product.

7. Handling and Storage

Wear correct PPE equipment when using material. Avoid inhalation of vapour and contact with skin, eyes and clothing. Use only with adequate ventilation.

Keep away from children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

Wash skin with soapy water, launder contaminated clothing before re-use.

Wash hands thoroughly after handling the product, before breaks and before eating.

Avoid contact with skin and eyes.

This product is flammable. Isolate from all potential sources of ignition do not open near open flame, sources of heat or ignition, **NO SMOKING**.

Store in a locked and bunded area or approved flammable goods store away from direct heat (ideally below 25°C to prevent spoilage) and well ventilated. Keep containers tightly closed when not in use. Open drums slowly in case of internal pressure.

Store separate from oxidising materials, peroxides and metal salts.

8. Exposure Controls / Personal Protective Equipment (PPE)

Workplace Exposure Limit: Worksafe 2020

Component	Cas No	TWA
Solvent (Naphtha)	64742-88-7	400ppm

Use general dilution or local exhaust ventilation to maintain vapour concentration below WES level in the work place. If concentrations exceed exposure limit use organic vapour canister mask or approved air-line mask.

Skin Protection: Wear overalls or other work clothing providing arm and leg cover. Use protective gloves (Latex or Nitrile).

Eye Protection: Safety goggles or splash mask.



9. Physical / Chemical Properties

Physical Description & colour: Cream to yellow

Odour: Characteristic of wax

Boiling Point:	157 - 199°C
Flammable Liquid Flash Point:	40°C
Evaporation Rate:	Not Available
Flammable Limits:	
LEL (lower explosive limit)	Not Available
UEL (upper explosive limit)	Not Available
Specific Gravity:	0.78
Percentage of Volatiles:	70%
Water Miscibility:	Immiscible with water
Marine Pollutant:	Yes

10. Stability and Reactivity

<u>Stability:</u>	Under normal working conditions, good ventilation and providing the correct personal protection is worn then there should be no adverse effects.
<u>Conditions to avoid:</u>	Exposure to heat, sunlight, open flames, contamination and prolonged storage.
<u>Materials to avoid:</u>	None known.
<u>Hazardous Polymerisation:</u>	None known.

11. Toxicological Information

When used under properly controlled conditions with adequate ventilation, within workplace exposure limits and with adequate protective equipment, no adverse health effects are to be expected.

Inhalation of Vapour: Not Classified, classification criteria are not met, avoid inhalation of vapour.

Eye Contact: Not classified, classification criteria are not met. Avoid contact with eyes.

Skin Contact: Not classified, classification criteria are not met, may cause sensitization to the skin, wash hands with soap and water after use.

If Swallowed: classification criteria are not met.

Chronic effects of overexposure:

Mild dermatitis may result from prolonged or repeated skin contact seek medical advice.

Excessive repeated exposure may affect cause damage to organs.

Over exposure to petroleum distillate vapours may cause eye and throat irritation.

12. Ecological Information

Prevent these products from entering storm-water drains sewers or waterways.

Toxic to aquatic organisms with long lasting effects.

H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects

13. Disposal Considerations

Waste Disposal: Recover or recycle if possible. This material and its container must be disposed of as hazardous waste, may be disposed of by thermal treatment or incineration at an approved facility.

Any disposal must be labelled (See section 14) as such and comply with applicable local, regional and national regulations. Ensure that these materials do not enter drains, sewers or waterways. Ensure that empty packaging is managed in accordance with Dangerous Goods and HSNO regulations.

P501

Dispose of product and packaging in accordance with local regulations

14. Transport Information

UN Number:	UN3175
Proper Shipping Name:	Flammable Solid (Aliphatic Hydrocarbon)
Hazchem Class:	4.1
Hazchem Code:	1Z
Packing Group:	II
IMDG Code:	4
Tunnel Restriction:	D
ERG Code:	133 (Solids containing flammable liquid, n.o.s.)
EMS Code:	F-A S-I
Environmental Hazard:	Marine Pollutant - Yes

15. Regulatory Information

Class 4 Substances Group Standard 2020, October 2020

EPA New Zealand HSNO approval code HSR002522

NZ Inventory of Chemicals – Complies

Ozone Depleting Substance – Not applicable

SDS To be available within 10 minutes when required.

A current Location Compliance Certificate is required for this product when storing quantities over the following quantity.

Hazard Classification HSNO number	Product	Quantity more than
HSR002522	TR-102 Regular Mould Release Wax	100kg

Websites that will be of assistance regarding Hazardous

Substances: <https://www.hazardoussubstances.govt.nz/calculator>

<http://www.hazardoussubstances.govt.nz/>

<https://www.worksafe.govt.nz/topic-and-industry/hazardous-substances/guidance/hazardous-substances-that-activate-key-safety-controls/>

16. Other Information

This SDS contains only safety-related information. For other data see product information literature.

Fire/Ambulance/Police NZ	111
Cas #	Unique number identifier of chemical substance information
STEL	Short term exposure limit, maximum airborne concentration to which a worker may be exposed to in any 15-minute period, provided the TWA is not exceeded
TWA	Time Weighted Average, maximum exposure allowed in an 8-hour period
UN Number	United Nation Number assigned to Dangerous Goods
EPA	Environmental Protection Agency
IMDG	International Maritime Dangerous Goods Class Code
LEL	Lower explosive limit
UEL	Upper explosive limit
ppm	parts per million
mg/m ³	milligrams per cubic mtr
EMS	Emergency response for shipping
ERG	Emergency code for first responders
STOT	Specific Target Organ Toxicity
Other References	Manufacturers/Supplier SDS's

Review: April 2021
Jan 2024

Reason: Updates, pictograms & GHS Coding
Updated shipping information

Disclaimer: The information given in this safety data sheet is given in good faith and is believed to be valid and accurate at the time of publication. However, no responsibility is accepted for accident or injury which may occur from omissions or from information contained in the data sheet.

HS Composites