

# MATERIAL SAFETY DATA SHEET

NAME: RT20 DYNAMIC

ITEM NO: RT20D

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**COMPANY NAME:** Reynolds Soil Technologies Pty Ltd (ABN 31 068 825 696)  
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Burleigh Heads, Queensland, Australia, 4220  
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**EMAIL:** [rst@rstolutions.com.au](mailto:rst@rstolutions.com.au)

**PRODUCT NAME:** RT20 Dynamic

**SYNONYMS:** None

**USE:**

- Soil stabilisation and dust suppression

## 2. HAZARD IDENTIFICATION

Based on available information, not classified as hazardous according to the criteria of NOHSC. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

RISK PHRASES None Allocated

SAFETY PHRASES S24 Avoid Contact with Eyes  
S25 Avoid contact with Skin

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Water Soluble Dispersant Polymer Blend

## 4. FIRST AID MEASURES

SWALLOWED Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

EYES Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

SKIN Wash thoroughly with soap and water. If irritation develops, seek medical attention. Remove contaminated clothing.

INHALED Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

FIRST AID FACILITIES Ensure eye wash bath and safety shower is readily accessible.

ADVICE TO DOCTOR Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## 5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Water spray, dry extinguishing media, foam

HAZARDS FROM COMBUSTION PRODUCTS N/A

PRECAUTIONS FOR FIRE FIGHTERS Fire fighters should be equipped with self-contained breathing

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NAME: RT20 DYNAMIC

ITEM NO: RT20D

& SPECIAL PROTECTIVE EQUIPMENT	apparatus and turn-out gear. Contaminated extinguishing water must be disposed of in accordance with official regulations.
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## 6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES	High risk of slipping due to leakage/spillage of product. Do not discharge into drains/surface waters/groundwater. Use personal protective clothing.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP	For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general purpose binder). Dispose of absorbed material in accordance with regulations. For large amounts: Pump off product.

## 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	No special measures necessary provided product is used correctly.
CONDITIONS FOR SAFE STORAGE	Keep container tightly closed and in a cool place. Avoid direct sunlight. Keep only in the original container. Protect from temperatures below 10°C and above 32°C.
INCOMPATIBILITIES	None known.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS	No data.
BIOLOGICAL LIMIT VALUES	No data.
ENGINEERING CONTROLS	Ensure workplace is well ventilated.
PERSONAL PROTECTION	Wear respirator protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed. Wear chemical resistant protective gloves. Wear tightly fitting safety goggles (chemical goggles). Wear protective clothing as necessary to minimise contact. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Fluro Yellow
ODOUR:	Product specific
pH:	Approx. 8 (200g/l, 23°C)
VAPOUR PRESSURE:	No Data
DENSITY:	Approx. 1.33 g/cm <sup>3</sup> (20°C)
SOLIDIFICATION TEMPERATURE:	Approx. -20°C
VISCOSITY:	Approx. 28-46 mPa.s (23°C)
SOLUBILITY:	Fully soluble

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ITEM NO: RT20D

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Protect from temperature below 10°C and above 32°C.
INCOMPATIBLE MATERIALS	None known.
HAZARDOUS DECOMPOSITION PRODUCTS	No hazardous decomposition products if stored and handled as prescribed/indicated.
HAZARDOUS POLYMERIZATION:	No Data.

## 11. TOXICOLOGICAL INFORMATION

### TOXICITY DATA FOR SIMILAR PRODUCT:

ORAL LD50 (RAT):	➤ 2000 mg/kg
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### ACUTE & CHRONIC HEALTH EFFECTS

SWALLOWED	May cause gastric disturbances.
EYE	May cause irritation.
SKIN	May cause irritation.
INHALED	May cause respiratory tract irritation.
CHRONIC EFFECTS	Not Applicable

## 12. ECOLOGICAL INFORMATION

BIODEGRADATION:	
Test Method	OECD 302B; ISO 9888; 88/302/EEC, part C
Method of analysis	DOC reduction
Degree of elimination	20-70%
Evaluation	Moderately/partially eliminated from water
FISH TOXICITY:	Golden orfe/LC50 (96h): >100 mg/l
TOXICITY TO MICROORGANISMS:	DEV-L2 activated sludge, domestic, adapted/EC10: >1000 mg/l. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.
OTHER ADIVCE:	Do not release untreated into natural waters. The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.
SPECIAL REQUIREMENTS FOR LANDFILL OR INCINERATION	Normally disposable through a licensed waste contractor.

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ITEM NO: RT20D

## 14. TRANSPORT INFORMATION

<b>UN No:</b> None Allocated	<b>D.G. Class:</b> None Allocated	<b>CAS No.:</b> None Allocated
<b>Hazchem:</b> None Allocated	<b>Sub. Risk:</b> None Allocated	<b>Susdp.:</b> None Allocated
<b>G.T.EPG:</b> None Allocated	<b>Spec.EPG:</b> None Allocated	<b>Pack.Grp:</b> None Allocated

Not classified as a dangerous good for transport.  
No special transport requirements necessary.

## 15. REGULATORY INFORMATION

POISONS SCHEDULE	No Poisons schedule number allocated
OTHER	None

## 16. OTHER INFORMATION

PREPARATIONS AND REVISIONS	This MSDS was issued on 18/05/2015 in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets 2 <sup>nd</sup> Edition [NOHSC:2011(2003)]
	<b>Version 1.2 supersedes all other versions.</b>

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. It should be read taking into account how the product is handled in your particular situation and how it is used in conjunction with other products.

This is the last page of the MSDS.