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Safety Data Sheet

1. IDENTIFICATION

Product name TZ-001
Product code TZ-1
Reference number dpbu5629-2
Name of Company Nissan Chemical Corporation
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 Performance Materials Division
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Recommended uses and restriction of uses Synthetic resins

2. HAZARDS IDENTIFICATION

GHS Classification

Health Hazards **Acute toxicity (Oral):** not classified
Serious eye damage/eye irritation: not classified
Germ cell mutagenicity: not classified

Hazardous to the aquatic environment **Acute(short-term) aquatic hazard:** not classified

Hazards not mentioned above are “not applicable” or “classifications are not possible”

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Substance/mixture:

Mixture

Ingredient	Concentration or concentration range	Chemical property	CAS number	Hazard code (Refer to Section 16)
Triazine polymer	>98 %	non-disclosure	-	No classification
Aniline	0.10~0.99%	C ₆ H ₇ N	62-53-3	H301, H311, H317 H318, H331, H341 H351, H372 ,H400
2,6-Di-tert-butyl 4-cresol	0.10~0.99%	C ₁₅ H ₂₄ O	128-37-0	H302, H315, H319 H361, H370, H371 H400, H410

Impurities and/or additives (stabilizer) considered for classification: No information

4. FIRST AID MEASURES

Inhalation	<ul style="list-style-type: none"> · Move the patient to the outside with fresh air and rest them in a posture which will ease breathing. · Consult a doctor if the patient is feeling unwell.
Skin contact	<ul style="list-style-type: none"> · Wash skin immediately .Consult a doctor if the appearance of the skin has changed. · Consult a doctor if the patient is feeling unwell.
Eye contact	<ul style="list-style-type: none"> · Wash eye(s) immediately and thoroughly with clean running water for a few minutes. · Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	<ul style="list-style-type: none"> · Rinse mouth with water. Consult with a doctor if the patient is feeling unwell.

5. FIRE-FIGHTING MEASURES

Fire extinguisher	Powder or foam extinguisher
Fire extinguisher, not to use	No information
Specific hazards	No information
Fire fighting procedures	No information
Protective equipment for fire-fighters	<ul style="list-style-type: none"> · Wear an appropriate respirator and special clothes to protect from chemicals, while fighting fire.

6. ACCIDENTAL RELEASE MEASURES

Personal safety precautions, protective equipment and emergency measures	<ul style="list-style-type: none"> · Wear suitable protective equipment and take extra care not to scatter the spillage while collecting. · Enclose the affected area and surroundings immediately and designate as a spillage area. · Do not allow unauthorised persons to enter the area. · Do not touch any broken containers or leaked material unless wearing protective equipment.
Environmental safety precautions	<ul style="list-style-type: none"> · Take extra care to prevent release into river(s) or stream(s), which could contaminate the environment. · Do not release the material to the environment.
Methods and equipment for containment and cleaning	<ul style="list-style-type: none"> · Block leakage if not dangerous to do so. · Seek specialist advice if a large volume of spillage has to be removed or disposed.
Preventive measures for secondary fire	<ul style="list-style-type: none"> · Isolate flammable materials (e.g., wood, paper, oil) from the leaked material. Prevent the leaked material from entering into drains, sewers, basements or enclosed areas.

7. HANDLING AND STORAGE

Handling	
Technical measures	No information

Safety precautions	<ul style="list-style-type: none"> · Wash hands and face, and rinse mouth thoroughly after handling. · Do not put the container(s) on its side, drop, expose to shock, or drag while handling. · Avoid eye(s) contact. · Avoid ingestion.
Personal hygiene	<ul style="list-style-type: none"> · Wash hands thoroughly after handling.
Storage	
Storage conditions	<ul style="list-style-type: none"> · Ensure walls, pillars and floors form a fire resistant structure. Use non-flammable material for beams. · Do not store the material under direct sunlight. Store material in a cool and well-ventilated place. · Store the material in air-tight container(s) in a well-ventilated place. · Do not store containers under direct sunlight or near fire. Store material in a cool and dark place.
Materials for containers and packages	No information

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Controlled concentration and permitted concentration limit

	Control Concentration (MHLW)	ACGIH
Triazine polymer	Not determined	Not determined
Aniline	Not determined	TWA 2ppm(skin)
2,6-Di-tert-butyl 4-cresol	Not determined	TWA 2mg/m ³ (IFV)

Facilities	<ul style="list-style-type: none"> · Install eye washers and safety showers in the work or storage areas. · Install ventilation systems to monitor and control concentrations below the permitted limit.
Protective equipment	
Protection of respiratory organs	<ul style="list-style-type: none"> · Dust mask.
Hand protection	<ul style="list-style-type: none"> · Wear gloves suitable for protection against chemicals.
Eye protection	<ul style="list-style-type: none"> · Wear suitable protective goggles. · Eye(s) protection glasses (standard type of glasses, glasses with side shields, goggles type)
Skin/body protection	<ul style="list-style-type: none"> · Wear full protective suit.
Personal hygiene	<ul style="list-style-type: none"> · Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance	Powder
Colour	White

Odour	No odour
pH	No information
Boiling point / range	No information
Flash point	No data
Spontaneous ignition point	No information
Octanol/water partition coefficient	No information

10. STABILITY AND REACTIVITY

Stability	The product is considered stable in safekeeping and handling under the regulation.
Hazardous reactions	No information
Conditions to avoid	Light, heat, open flame, hot surface, sparks, static electricity or other ignition sources.
Hazardous decomposition products	No information

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)	LD50 > 2000mg/kg (male rats : p.o.)
Serious eye damage / eye irritation	minimally irritant (rabbits)
Further information	Ames test : Negative (salmonella, colon bacillus)

12. ECOLOGICAL INFORMATION

Environmental hazard	
Aquatic toxicity (Acute)	
Fish	96h-LC50 > saturated concentration in water (Oryzias latipes) (reference value : LC50 > 10mg/L (added concentration))
Invertebrate	48h-EC50 > saturated concentration in water (Daphnia magna) (reference value : EC50 > 10mg/L (added concentration))
Algae	72h-EC50 > saturated concentration in water 72h-NOEC > saturated concentration in water (Pseudokirchneriella subcapitata) (reference value : EC50 > 10mg/L (added concentration))
Ecological toxicity	No information

13. DISPOSAL CONSIDERATIONS

Waste/residue	· Comply with the relevant regulations or standards of the local authorities for disposal. For disposal, use contract industrial waste treatment companies approved by the local authority or a local authority that undertakes waste treatment.
Contaminated containers/packages	· Treat the material in compliance with the relevant regulations or standards of the local authority.

14. TRANSPORT INFORMATION

Maritime regulations	None
UN No.	Not applicable
Marine pollutant	Not applicable
Aviation regulations	ICAO and IATA regulations
UN No.	Not applicable
Land regulations	ADR/RID
UN No.	Not applicable

15. REGULATORY INFORMATION

Non-dangerous goods

16. OTHER INFORMATION

Hazard code on ingredients (refer to Section 3)	H301: Toxic if swallowed.
	H302: Harmful if swallowed.
	H311: Toxic in contact with skin.
	H315: Causes skin irritation.
	H317: May cause an allergic skin reaction.
	H318: Causes serious eye damage.
	H319: Causes serious eye irritation.
	H331: Toxic if inhaled.
	H341: Suspected of causing genetic defects.
	H351: Suspected of causing cancer.
	H361: Suspected of damaging fertility or the unborn child.
	H370: Causes damage to organs.
	H371: May cause damage to organs.
	H372: Causes damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.	
H410: Very toxic to aquatic life with long lasting effects.	

Other	NO REPRESENTABILITY OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.
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