Revision Number: 001.4

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1. IDENTIFICATION

Product name: **Tangit CPVC**
Product type/ Pipe adhesive
Recommended use:
Restriction of Use: None identified
Company address:
Henkel Capital S.A. de C.V.
Boulevard Magnocentro 8 – P2
Centro Urbano San Fernando la Herradura
Huixquilucan Edo. de Mexico, C.P. 52760

IDH number: 3014104

Region: Mexico
Contact information:
Telephone: +52 (55) 33003000
SETIQ: Phone 01-800-00-214-00 (5559-1588)24 hours.
SETIQ,,Telephone 01-800-00-214-00 (5559-1588)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER:

H225 - HIGHLY FLAMMABLE LIQUID AND VAPOUR.
H302 - HARMFUL IF SWALLOWED.
H315 - CAUSES SKIN IRRITATION.
H318 - CAUSES SERIOUS EYE DAMAGE.
H335 - MAY CAUSE RESPIRATORY IRRITATION.
H336 - MAY CAUSE DROWSINESS OR DIZZINESS.
H351 - SUSPECTED OF CAUSING CANCER.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	2
ACUTE TOXICITY ORAL	4
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
CARCINOGENICITY	2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

PICTOGRAM(S)

Precautionary Statements

Prevention:	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking. P233 - Keep container tightly closed. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P261 - Avoid breathing mist/vapours. P264 - Wash affected area thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves, clothing, eye and face protection.
Response:	P301+P312+P330 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical attention. P332+P313 - If skin irritation occurs: Get medical attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
Storage:	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
Disposal:	P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Other hazards Not available.

Classification complies with NOM-018-STPS-2015 and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	UN no.:	Percentage*
tetrahydrofuran	109-99-9	2056	30 - 60
Methyl ethyl ketone	78-93-3	1193	10 - 30
Cyclohexanone	108-94-1	1915	10 - 30
Silica, amorphous, fumed, cryst.-free	112945-52-5		1 - 5
Zinc oxide	1314-13-2		0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

First Aid Measures by likely routes of exposure

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

Skin contact: Remove contaminated clothing and footwear. Rinse with running water and soap. If symptoms develop and persist, get medical attention.

Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Get medical attention.
Most important symptoms and effects (acute and delayed):	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
Indication of any immediate medical attention / special treatment needed:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing media:	water, carbon dioxide, foam, powder
Improper extinguishing agents:	Not available.
Special firefighting procedures:	Wear self-contained breathing apparatus. Wear protective equipment.
Unusual fire or explosion hazards:	Formation of toxic gases is possible during heating or in fires.
Hazardous combustion products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Remove all sources of ignition. Do not allow product to enter sewer or waterways. Prevent further leakage or spillage if safe to do so.
Clean-up methods:	Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling:	Avoid skin and eye contact. Avoid naked flames, sparking and sources of ignition. Ensure good ventilation/suction at the workplace. Ground and bond all equipment as required (when transferring products). Wash thoroughly after handling.
Storage:	Store in sealed original container. Ensure adequate ventilation. Store in a dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
tetrahydrofuran	50 ppm TWA 100 ppm STEL (SKIN)	200 ppm (590 mg/m3) PEL	None	None
Methyl ethyl ketone	(SKIN) 75 ppm TWA 150 ppm STEL	200 ppm (590 mg/m3) PEL	None	None
Cyclohexanone	20 ppm TWA 50 ppm STEL (SKIN)	50 ppm (200 mg/m3) PEL	None	None
Silica, amorphous, fumed, cryst.-free	3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	20 MPPCF TWA 0.8 mg/m3 TWA 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. Avoid naked flames, sparking and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection: Wear tight fitting goggles.

Skin protection: Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Yellow
Odor: Solvent
Odor threshold: Not available.
pH: Not available.
Vapor pressure: 193 mbar
Boiling point/range: 66 °C (150.8 °F)
Melting point/ range: Not available.
Density/Relative density: Not available.
Relative vapor density: Not available.
Flash point: -16.00 °C (3.2 °F)
Flammable/Explosive limits - lower: Not available.
Flammable/Explosive limits - upper: Not available.
Autoignition temperature: Not available.
Flammability: flammable
Evaporation rate: Not available.
Solubility: Partially soluble
Partition coefficient n-octanol/water (logarithmic value): Not available.
VOC content: Not available.
Dynamic viscosity: 2,000 - 2,500 mPa.s

Kinematic viscosity:	Not available.
Particle characteristics:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Reactivity:	Not available.
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	In case of fire toxic gases can be released.
Incompatible materials:	Reaction with strong bases Reaction with strong acids. Strong oxidizing agents.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure	Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

Inhalation: May cause respiratory tract irritation.
Skin contact: Causes skin irritation.
Eye contact: Causes serious eye damage.
Ingestion: Harmful if swallowed.

Hazardous Component(s)	LD50s and LC50s
tetrahydrofuran	Oral LD50 (Rat) = 1,650 mg/kg
Methyl ethyl ketone	Oral LD50 (Mouse) = 670 mg/kg Oral LD50 (Rat) = 2,300 - 3,500 mg/kg Oral LD50 (Rat) = 4,500 - 6,800 mg/kg Dermal LD50 (Rabbit) = > 8,000 mg/kg
Cyclohexanone	Inhalation LC50 (Rat, 4 h) = > 6.2 mg/l
Silica, amorphous, fumed, cryst.-free	None
Zinc oxide	Oral LD50 (Mouse) = 7,950 mg/kg Oral LD50 (Rat) = > 5 g/kg Inhalation LC50 (Rat, 4 h) = > 5,700 mg/m3

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
tetrahydrofuran	Irritant		Central nervous system Kidney Liver
Methyl ethyl ketone	Irritant		Central nervous system
Cyclohexanone	Irritant		Central nervous system
Silica, amorphous, fumed, cryst.-free			
Zinc oxide	Irritant		Blood Gastrointestinal Immune system Kidney Metabolic Nervous System Pancreas Respiratory Skin

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
tetrahydrofuran	No	Group 2B	No
Methyl ethyl ketone	No	No	No
Cyclohexanone	No	No	No
Silica, amorphous, fumed, cryst.-free	No	No	No
Zinc oxide	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Do not empty into drains, soil or bodies of water. Harmful to aquatic organisms.

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility: Not available.

Other ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

14. TRANSPORT INFORMATION

Road transport ADR:

Proper shipping name:	ADHESIVES
Hazard class or division:	3
Identification number:	UN 1133
Packing group:	II

International Air Transportation (ICAO/IATA)

Proper shipping name:	Adhesives
Hazard class or division:	3
Identification number:	UN 1133
Packing group:	II

Water Transportation (IMO/IMDG)

Proper shipping name:	ADHESIVES
Hazard class or division:	3
Identification number:	UN 1133
Packing group:	II

15. REGULATORY INFORMATION

No additional information

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 4, 8, 9, 11

Prepared by: Product Safety and Regulatory Affairs
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DISCLAIMER: This information is considered correct, but it´s not exhaustive and will be used only as a guide, which is based on current knowledge of the chemical substance(s) and/or mixture and apply to the appropriate product for safety precautions.

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