

TECHNIC, INC.

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product Name: TECHNISTRIP® P1331-05

Product Code: 405882-05

Recommended use: Resist stripping bath component; for industrial use only.

Supplier:

Technic Inc.
1 Spectacle Street
Cranston, RI 02910 USA

Current SDS preparation date: December 1, 2021

Original SDS preparation date: March 8, 2016

Telephone no: 401-781-6100

Emergency no: Infotrac: USA & Canada 1-800-535-5053; International 1-352-323-3500

SECTION 2. HAZARD IDENTIFICATION

Classification:

Specific Target Organ Toxicity (Single Exposure), Category 2
Specific Target Organ Toxicity (Repeated Exposure), Category 2
Skin Corrosion/Irritation, Category 1B
Flammable Liquids, Category 4

Label elements and precautionary statements:

Signal word: Danger

Pictogram(s):



Hazards not otherwise classified: None

Hazard statement(s):

H371 May cause damage to organs
H373 May cause damage to organs through prolonged or repeated exposure
H314 Causes severe skin burns and eye damage
H227 Combustible liquid

Precautionary statement(s):

P260 Do not breathe dust, fume, gas, mist, vapors or spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P308_P311 If exposed or concerned: Call a poison center or doctor/physician.
P314 Get medical advice/attention if you feel unwell.
P280 Wear protective gloves, clothing and eye and face protection.
P301_P330_P331 If swallowed: Rinse mouth. DO NOT induce vomiting.
P303_P361_P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P363 Wash contaminated clothing before reuse.
P304_P340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a poison center or doctor/physician.

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P305_P351_P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P370_P378 In case of fire: Use water to extinguish.
P403_235 Store in a well-ventilated place. Keep cool.
501 Dispose of contents and container in accordance with local, state and federal regulations.

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical name	CAS Number	EINECS Number	Concentration
Dimethylsulfoxide	67-68-5	200-664-3	84%
Glycerol	56-81-5	200-289-5	5%
Tetramethylammonium hydroxide	75-59-2	200-882-9	2%

The chemical identity and concentration of one or more ingredients of this product are withheld as a trade secret under the provisions of paragraph (i) of 29 CFR 1910.1200. This information will be made available to health professionals and others in accordance with the applicable provisions of this paragraph.

SECTION 4. FIRST AID MEASURES

Inhalation:

Remove patient to fresh air. Support breathing if required. Obtain immediate medical treatment.

Skin contact:

Remove contaminated clothing and wash affected area thoroughly with soap and water. Launder clothing before rewearing. Seek immediate medical attention.

Eye contact:

Flush with water, including under lids, for fifteen minutes. Obtain immediate medical attention.

Ingestion:

If patient is conscious, rinse mouth and drink at least two large glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use media appropriate for surrounding fire such as foam, extinguishing powder, carbon dioxide or water spray. In case of fire, cool endangered containers with water spray.

Unsuitable extinguishing media: High pressure water jet.

Specific hazards in case of fire: None reported.

Special protective equipment and precaution for fire fighters: For fires in enclosed areas, wear self-contained breathing apparatus and full protective gear. Do not inhale combustion gases.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate skin, eye and respiratory protection (See Section 8). Do not eat, drink or smoke while cleaning up. Ensure adequate ventilation.

Methods and materials for containment and cleaning up:

Wear appropriate personal protective gear including eye, skin and respiratory protection (See Section 8). Contain spilled material and collect by absorption or other suitable method. Flush spill area with water. Do not allow this material or its rinsings to enter storm or sanitary sewers or other waterways. (See also Section 13).

Environmental precautions:

Prevent spills and rinsings from entering storm or sanitary sewers or other waterways and contact with soil.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with eyes. Wear personal protective equipment (See Section 8). Use in well-ventilated area. Do not empty waste into sanitary drains.

Conditions for safe storage, including incompatibilities:

Store in a cool, dry area. Use with adequate ventilation. Keep container tightly closed when not in use. Store only in the original container.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:

Ingredient

ACGIH TLV

OSHA PEL

Other Limits

There are no exposure limits established for the ingredients in this material.

Appropriate engineering controls:

Use in well-ventilated area with local exhaust.

Respiratory protection: Wear appropriate, approved respiratory protection when ventilation is inadequate.

Eye protection:

Chemical splash goggles or safety glasses with side shields must be worn.

Skin protection:

Wear full protective body suit recommended for use with both tetramethyl ammonium hydroxide and dimethyl sulfoxide (DuPont Tychem® 6000, or equivalent). Suitable glove material is a tripolymer of natural latex, neoprene and nitrile.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Colorless to pale yellow
Odor: Fruit-like
Odor threshold: Not available
pH: Not applicable
Melting/freezing point: -14 °C (6.8 °F)
Initial boiling point: 135 °C (275 °F)
Flash point: 101 °C (213 °F)
Evaporation rate: Not available
Flammability (solid, gas): Not applicable
Upper/lower explosion limits: 1.8% (LEL)
Vapor pressure: Not determined
Vapor density: Not determined
Relative density (H₂O = 1) @25 °C: 1.11+/-0.05
Solubility: Fully miscible in water at 20 °C
Partition coefficient octanol/water: Not determined
Auto-ignition temperature: Not self-igniting
Decomposition temperature: Not determined
Viscosity: Not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Stable, non-reactive when stored and used according to recommendations.
Chemical stability: No decomposition if used according to specifications.
Possibility of hazardous reactions: None are known.
Conditions to avoid: None reported.
Incompatible materials: strong acids, oxidizing and reducing agents.
Hazardous decomposition products: Oxides of carbon, nitrogen and sulfur.

SECTION 11. TOXICOLOGICAL INFORMATION

Routes of Exposure and Symptoms

Inhalation: Inhalation may cause severe respiratory irritation and pulmonary edema. Contact with moist mucous membranes of the respiratory system can cause caustic condition resulting in burns. Large exposures may be fatal.

Ingestion: Ingestion causes burns of the upper digestive and respiratory tract. Very toxic if swallowed.

Skin Contact: Causes burns. May be fatal if absorbed through skin.

Eye Contact: Corrosive to the eyes and may cause severe damage including blindness. Causes burns.

Acute and Chronic Effects from Short- and Long-term Exposure:

May be fatal causing neurotoxicity leading to respiratory failure if inhaled or absorbed through skin. No antidote is known. Toxic if swallowed. Causes severe caustic burns to the skin and eyes.

Acute Oral Toxicity: LD50: 14.5 g/kg (rat, dimethyl sulfoxide)
LD50: 34-50 mg/kg (rat, tetramethylammonium hydroxide)

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Acute Dermal Toxicity: No applicable information available.

Acute Inhalation Toxicity: No applicable information available.

Acute Eye Irritation: 500 mg/24 hours, mild (rabbit, dimethyl sulfoxide)

Dermal Irritation: 500 mg/24 hours, mild (rabbit, dimethyl sulfoxide)

Carcinogen Listings:

IARC: No

NTP: No

OSHA: No

Reproductive Effects: No applicable information available.

Target Organ Effects: No applicable information available.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity: LC50: 34 g/l, 96 hours (fathead minnow, dimethyl sulfoxide)
LC50: 35 g/l, 96 hours (rainbow trout, dimethyl sulfoxide)
EC50: 27.5 g/l (Daphnia pulex (water flea), dimethyl sulfoxide)

Persistence and degradability: There are no data reported for this material; however, this product may be harmful to aquatic life.

Bio-accumulative potential: There are no data reported for this product.

Mobility in soil: Accidental spillage may lead to penetration in the soil and groundwater. Improper handling and disposal of this material may cause environmental damage.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal:

Disposal of this material is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

SECTION 14. TRANSPORT INFORMATION

Classification for shipment by road or rail, sea (IMDG) and air (IATA/ICAO):

UN number: UN3267
UN proper shipping name: Corrosive Liquid, Basic, Organic, N.O.S.
(Tetramethylammonium Hydroxide Solution)
Transport hazard class: 8
Packing group: III

Marine Pollutant: No

SECTION 15. REGULATORY INFORMATION

Inventory Status:

All components are on TSCA (active list), EINECS/ELINCS, AICS, and DSL.

U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

None Immediate Delayed Fire Reactive Pressure generating

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
None		

The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations
None		California Proposition 65 List

Occupational Exposure Limits for Hazardous Agents in the Workplace GBZ2.1-2019 (China)

Chemical Name	CAS Number	MAC	PC-TWA	PC-STEL
Dimethyl sulfoxide	67-68-5	---	160 mg/mP ³	-----

SECTION 16. OTHER INFORMATION

VOC (Volatile Organic Compounds): None

HMIS Ratings:

Health: 3 **Flammability:** 1 **Reactivity:** 0 **Personal Protection:** C

Prepared by: Allan H. Reed

SDS Preparation date: December 1, 2021 **Supersedes previous version:** August 7, 2019.

This SDS contains revisions in the following section(s): 2, 3, 9, 12, 14, 15, 16.

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End of Safety Data Sheet