Safety Data Sheet

Pionite PT 36

Date Issued: July 21, 2025
Revision No:
Supersedes Date: New

Section 1. Product Description

1.1 Product Name: Pionite PT 36 Contact Adhesive
1.2 Recommended Use: Industrial adhesive applications
1.3 Manufacturer: and address: NewStar Adhesives Inc
66 Gilreath Rd SE
Cartersville, GA 30121
Information Contact: PH 866-735-9876 FX 770-607-3637
Emergency Contact: 800-424-9300 (CHEMTREC- Transportation Spill Response 24 hours)

Section 2. Hazard Identification

Classification in accordance with OSHA Hazcom standards

This product has no flash point and is non-flammable per OSHA and DOT regulations, This product does exhibit flammable limits in an estimated range of vapor to air concentration of 6.7% to 19% based on 1,2 trans-dichloroethylene, one of the materials in this mixture.

2.1 Hazard Classification
Eye Irritation: Category 2B
Skin Corrosion/Irritation: Category 2
Simple Asphyxiant
Specific Target Organ Toxicity (single exposure): Category 3

2.2.1 Label elements
Signal Word: Danger

DANGER

Symbols

Hazard Statements:

Harmful if Inhaled
Harmful if swallowed
Causes eye irritation.
Causes skin irritation.

May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS:

Prevention:

Keep out of reach of children.
Read label instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces – No smoking.
Keep containers tightly closed.
Use explosion proof electrical/ventilating/lighting equipment.
Do not breathe dust/fumes/gas/vapor/mist/spray.
Use only outdoors or in well-ventilated areas.
In case of inadequate ventilation wear respiratory protection
Wear protective clothing and eye/face protection.
Do not get in eyes, on skin or on clothing
Do not eat, drink, or smoke when using this product.
Wash thoroughly after handling.
Avoid releases to the environment.

Response

IF INHALED: Remove to fresh air and keep comfortable for breathing. If experiencing respiratory systems: call a Poison Center or doctor/physician.

IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water and shower. Wash contaminated clothing before reuse. If irritation persists, seek medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens if present and easy to do. Continue rinsing. If irritation persists, seek medical attention.

IF SWALLOWED: rinse mouth. Do not induce vomiting.

IF ON CLOTHING: Remove immediately all contaminated clothing. Wash contaminated clothing.

STORAGE

Protect from sunlight.
Keep cool.
Keep container tightly closed.
Store locked up in a well-ventilated place.

DISPOSAL

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3. Composition/ Information on Ingredients

Chemical Name	C.A.S. Number	%
1,2 trans-dichloroethylene	156-60-5	50-70%
Proprietary Fluorinated Compound	Trade Secret	6-15%
Carbon Dioxide	124-38-9	3-12%

Section 4. First Aid Measures

Skin Contact: Wash with plenty of water. Wash contaminated clothing after use.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical assistance. If breathing has stopped, give artificial respiration.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth. If you feel unwell get medical advice/attention.

Section 5. Firefighting Procedures

Extinguishing Media: Use dry chemical, CO2, or appropriate foam.

In case of fire, use a firefighting agent for flammable liquid.

Hazardous decomposition or by product: Thermal decomposition may liberate carbon oxides and other toxic gases/vapors such as hydrogen

Special protective actions for fire-fighters: Keep containers cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, bunker coat and pants, face mask, and protective covering for exposed area of head.

Section 6. Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapors can accumulate in low areas.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.

Clean-Up: Cover with commercially available nonflammable inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Collect waste and dispose of in accordance with all applicable local/state/federal regulations.

SECTION 7. Handling and Storage

Handling: Avoid breathing vapors, skin and eye contact. Use personal protection equipment as required. In case of inadequate ventilation wear respiratory protection. Do not eat, drink, or smoke when using this product. Wash contaminated clothing and skin after use.

Storage: Store in a well-ventilated space. Protect from direct sunlight.

SECTION 8. Protection Information

Hazardous Component	Authority	Type	Limit
1,2 trans-dichloroethylene	OSHA	PEL	200 ppm
1,2 trans-dichloroethylene	ACGIH	TLV	200 ppm
Proprietary Fluorinated Compound	Manufacturer Recommended	TWA (8 hr.)	50 ppm

SOURCES OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for the Research on Cancer
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
WEEL: Workplace Environmental Exposure Level

Control Parameters
Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment (PPE):

Eyes/Face: Safety goggles or safety glasses with side shields.

Skin: Protective gloves such as Viton, Neoprene or equivalent and impervious clothing.

Respiratory: In operations where exposure limits are exceeded, use a NIOSH approved respirator suitable for the specific work conditions.

Hygiene: **Avoid contact with skin, eyes, and clothing. Wash promptly with soap and water if skin is contaminated. Remove and wash contaminated clothing. Do not eat, drink, or smoke when using.**

SECTION 9. Physical Data

Odor, Color: Organic solvent odor, clear or red in color
Boiling point: = 44.2 ° C
Vapor Pressure Not Determined
Vapor Density Not Determined
Specific Gravity: 1.10 – 1.20 g/cc
Solubility in Water: Negligible
Volatile Organic Compounds:
Volatile Organic Compounds: 320-350 g/L
Flash Point: None.
Flammable Explosion Limits: 6.7%/19% based on 1,2 trans-dichloroethylene component

SECTION 10. Stability and Reactivity

Chemical Stability: **Stable under normal conditions.**

Conditions to Avoid: **Avoid high temperatures, flame and other sources of ignition.**

Incompatible Materials: Strong Oxidizing substances.
Hazardous Polymerization: Will not occur.

Hazardous By-Products: Thermal decomposition or combustion may liberate carbon oxides, hydrochloric or hydrofluoric acids, carbonyl halides and other toxic gases or vapors.

SECTION 11. Toxicological Information

Typical Routes of Entry: Inhalation, skin absorption, eye contact

1,2 Trans-dichloroethylene

LD50 Oral: Rat: 1,235 mg/kg Be
LD50 Oral: Mouse: 2,122 mg/kg. Behavioral: Altered sleep time/change in righting reflex. Behavioral: Somnolence (general depressed activity). Behavioral: Ataxia.

LC50 Inhalation: Rat: 24,100 ppm Behavioral: Somnolance (general depressed activity). A 90 day inhalation study in rats reported no adverse effects on body weight, clinical observations, food consumption, clinical or anatomical pathology parameters, or liver cell proliferation, and a NOEL of 4,000 ppm.

LC50 Dermal: Rabbit: >5,000 mg/Kg. Prolonged skin contact may cause dermatitis.

Skin: Rabbit: Skin irritation – 24h. Serious eye damage/eye irritation.

Eyes: Rabbit: eye irritation.

Carcinogenicity: Not listed in IARC, NTP or OSHA

Mutagenesis: Not mutagenic to E-Coli or S. Typhimurium when tested with microsomal activation. Did not produce mutations in Saccharomyces cerevisiae with or without microsomal activation. No genetic effects were reported in a vivo host mediated mutagenic assay.

Developmental Toxicity: In an inhalation study in rats, significant fetal toxicity was observed only at maternally toxic concentrations (12,000 ppm). Based on the results of this study, trans-dichloroethylene would not be considered to be a developmental toxicant.

Proprietary Fluorinated Compound

Oral LD50	**Rat > 2,000 mg/Kg**
Repeated Oral Dose Toxicity	**NOEL 1,000 mg/Kg/d (28 day)**
Inhalation LC50	**Rat > 24.8 mg/L (301 ppm)**
Repeated Dose Inhalation Toxicity	**NOEL 1,800 ppm. Rats exposed to 2,500 or 5,000 ppm for 6 hrs per day for 5 days showed convulsions**
Repeated Dose Inhalation	**NOEL 1,000 ppm. Rats exposed to 1,000 ppm for 6 hrs per day 5 day per week for 90 days showed no adverse effects.**
Dermal LD50	**Rat > 2,000 mg/Kg**
Skin & Eye irritation	**Slight irritation to eye and mucas membrane**
Skine Irritation (rabbit)	**None**
Eye Irritation (rabbit)	**Slight**
Sensitization Skin (rat)	**None**
Genetic Studies: Ames	**Negative (OECD 471 &472)**
Chromosomal Aberration	**Negative (CHL Cell)(OECD 473)**
Carcinogenicity	**Not listed in IARC, NTP or OSHA**

SECTION 12. Ecological Data

Overview: **Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.**

SECTION 13. Disposal Considerations

Waste Disposal Method:

Dispose of in accordance with all applicable local/regional/national/international/state/federal regulations.

SECTION 14. Transportation Information

DOT Proper Shipping Name:

Chemicals Under Pressure, N.O.S., (Carbon dioxide, transdichloroethylene)
Hazard Class: 2.2
UN #: UN3500
Packing Group: None
Label: Nonflammable green diamond 2

SECTION 15. Regulatory Information

311/312 Hazard Categories:
Fire Hazard – No
Pressure Hazard – Yes
Reactivity Hazard – No
Immediate Hazard – Yes
Delayed Hazard – Yes

Section 313 Toxic Chemicals subject to reporting requirements of 40 CFR part 372:

Ingredient	CAS Number	% by weight
1,2 Trans-dichloroethylene	156-60-3	75-85 %

STATE REGULATIONS:
CALIFORNIA PROPOSITION 65:
None Listed

US TSCA Listed

HMIS Hazard Rating – NFPA Hazard classification
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
Health: 2
Flammability: 1
Reactivity: 0
Special Hazard: None

SECTION 16. Other Information

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. NEWSTAR MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. The user is responsible for determining whether the NEWSTAR product is fit for a particular purpose and suitable for users' method of use or application, given the variety of factors that can affect the use and application of a NEWSTAR product, many of which are solely within the user's knowledge and control. It is essential that the user evaluate the NEWSTAR product to determine whether it is fit for a particular purpose and suitable for users' method of use or application.