

Safety Data Sheet

Parasolo TPO Quick Spray Adhesive LV50

SECTION 1: Identification

1.1 GHS Product identifier

Product name Parasolo TPO Quick Spray Adhesive LV50

1.4 Supplier's details

Name Siplast
Address 14911 Quorum Drive
Suite 600
Dallas, TX 75254

Telephone 800-922-8800

1.5 Emergency phone number 800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Flammable gases, Cat. 1
- Gases under pressure, compressed gas
- Eye damage/irritation, Cat. 2A
- Specific target organ toxicity (single exposure), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H220 Extremely flammable gas
H280 Contains gas under pressure; may explode if heated
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.

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P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381	Eliminate all ignition sources if safe to do so.
P403	Store in a well-ventilated place.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P501	Dispose of contents/container in accordance to local, regional, and national regulations.

2.3 Other hazards which do not result in classification

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Flammable vapors can accumulate in head space of closed systems.

Statement regarding ingredients of unknown toxicity

No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. METHYL ACETATE

Concentration	Not specified
EC no.	201-185-2
CAS no.	79-20-9
Index no.	607-021-00-X

- Flammable liquids, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Eye damage/irritation, Cat. 2A

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

2. Resin acids and Rosin acids, esters with pentaerythritol

Concentration	Not specified
EC no.	232-479-9
CAS no.	8050-26-8

3. Propane, liquid

Concentration	Not specified
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EC no. 200-827-9
CAS no. 74-98-6
Index no. 601-003-00-5

- Flammable gases, Cat. 1
- Fail: No text found to return.

H220 Extremely flammable gas

4. N-BUTANE

Concentration Not specified
EC no. 203-448-7
CAS no. 106-97-8
Index no. 601-004-01-8

- Flammable gases, Cat. 1
- Fail: No text found to return.
- Carcinogenicity, Cat. 1A
- Germ cell mutagenicity, Cat. 1B

H220 Extremely flammable gas
H340 May cause genetic defects
H350 May cause cancer

5. Carbon dioxide

Concentration Not specified
EC no. 204-696-9
CAS no. 124-38-9

6. Heptane, branched, cyclic and linear

Concentration Not specified
CAS no. 426260-76-6

7. Heptane

Concentration Not specified
EC no. 205-563-8
CAS no. 142-82-5
Index no. 601-008-00-2

- Flammable liquids, Cat. 2
- Aspiration hazard, Cat. 1
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Hazardous to the aquatic environment, short-term (acute), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 1

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H225	Highly flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
If inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
In case of skin contact	Contact: Remove contaminated clothing. Rinse affected area with water for at least 5 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
If swallowed	Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms/effects, acute and delayed

General:	Causes serious eye irritation. May cause drowsiness and dizziness.
Inhalation:	May cause drowsiness or dizziness.
Skin Contact:	May cause skin irritation.
Eye Contact:	Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.
Ingestion:	Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms:	None expected under normal conditions of use.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, dry chemical, or sand.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Specific hazards arising from the chemical

Fire Hazard: Extremely flammable gas.

Explosion Hazard: May form flammable/explosive vapor-air mixture.

Reactivity: Reacts with (strong) oxidizers: (increased) risk of fire.

5.3 Special protective actions for fire-fighters

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Precautionary Measures Fire:	Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.
Firefighting Instructions:	Exercise caution when fighting any chemical fire. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. In case of leaking gas fire, eliminate all ignition sources if safe to do so.
Protection During Firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products:	Burning can produce carbon monoxide, carbon dioxide, chloride and hydrocarbons. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Further information

Refer to section 9 for flammability properties.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, gas). Use special care to avoid static electric charges. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

For Non-Emergency Personnel

Protective Equipment:

Use appropriate personal protection equipment (PPE).

Emergency Procedures:

Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment:

Equip cleanup crew with proper protection.

Emergency Procedures:

Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up

For Containment:

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for Cleaning Up:

Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Use only non-sparking tools.

Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable. Extremely flammable gas.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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7.2 Conditions for safe storage, including any incompatibilities

Technical Measures:	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools.
Storage Conditions:	Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible Materials:	Strong acids. Strong bases. Strong oxidizers.

Specific end use(s)

No use is specified.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Methyl acetate (CAS: 79-20-9)

PEL (Inhalation): 200 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 610 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 200 ppm, (ST) 250 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 200 ppm, (ST) 250 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 200 ppm; 606 mg/m³; Australia (AU/SWA)

STEL (Inhalation): 250 ppm; 757 mg/m³; Australia (AU/SWA)

2. N-BUTANE (CAS: 106-97-8)

TWA (Inhalation): 800 ppm; 1900 mg/m³; Australia (AU/SWA)

3. Carbon dioxide (CAS: 124-38-9)

PEL (Inhalation): 5000 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 9000 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5000 ppm, (ST) 30,000 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5000 ppm, (ST) 30,000 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 5000 ppm; 9000 mg/m³; Australia (AU/SWA)

STEL (Inhalation): 30000 ppm; 54000 mg/m³; Australia (AU/SWA)

TWA (Inhalation): 12500 ppm; 22500 mg/m³; Australia (AU/SWA)

STEL (Inhalation): 30000 ppm; 54000 mg/m³; Australia (AU/SWA)

4. Heptane (CAS: 142-82-5)

PEL (Inhalation): 500 ppm; USA (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 2,000 mg/m³; USA (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

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PEL (Inhalation): 400 ppm, (ST) 500 ppm; USA (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 85 ppm, (ST) 440 ppm [15-min]; USA (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 400 ppm; 1640 mg/m³; Australia (AU/SWA)

STEL (Inhalation): 500 ppm; 2050 mg/m³; Australia (AU/SWA)

8.2 Appropriate engineering controls

Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Chemical safety goggles.

Skin protection

Wear suitable protective clothing.

Body protection

Personal Protective Equipment: Protective goggles. Gloves. Face shield. Insufficient ventilation: wear respiratory protection. Full protective flameproof clothing.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Consumer Exposure Controls: Do not eat, drink or smoke during use

Respiratory protection

Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental exposure controls

Do not allow the product to be released into the environment.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Light amber liquid
Color	Light amber
Odor	Ethereal odor
Odor threshold	No data available.
Melting point/freezing point	No data available.

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Boiling point or initial boiling point and boiling range	Propellant: -24.4 °C (-11.9 °F) ; Concentrate: 56°C (132.8 °F)
Flammability	No data available.
Lower and upper explosion limit/flammability limit	Propellant: 1.8%; Concentrate: 3.1% - Propellant: 9.5%; Concentrate: 16.0%
Flash point	-105 °C (-157 °F) (Tag Closed Cup)
Explosive properties	Sensitivity to Mechanical Impact : Do not subject aerosol products to mechanical impact / Sensitivity to Static Discharge : Yes, in certain circumstances product can ignite due to static discharge.
Auto-ignition temperature	Concentrate: >465 °C (869 °F)
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	Not applicable.
Kinematic viscosity	No data available.
Solubility	Not soluble in water
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	Propellant: 70 psig (3620 mmHg) @20 °C; Concentrate: 171 mmHg @20 °C
Evaporation rate	No data available.
Density and/or relative density	Relative Density: 0.96 g/mL (Concentrate) / Specific Gravity: 0.96 @ 20 °C (Concentrate)
Relative vapor density	No data available.

Particle characteristics

VOC Content (SCAQMD Rule 1168) : ≤77 g/L (0.63 lb/gal)

VHAP Content : 0.0 lb/lb solids

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Reacts with (strong) oxidizers: (increased) risk of fire.

10.2 Chemical stability

Extremely flammable gas.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5 Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6 Hazardous decomposition products

Carbon oxides (CO, CO₂). Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

SECTION 11: Toxicological information

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Information on toxicological effects

Acute toxicity

Not classified

Skin corrosion/irritation

Not classified

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity (STOT) - repeated exposure

Not classified

Aspiration hazard

Not classified

Additional information

Symptoms/Injuries After Inhalation: May cause drowsiness or dizziness.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Methyl acetate (79-20-9)

LD50 Oral Rat > 5000 mg/kg

LD50 Dermal Rabbit > 5 g/kg

LC50 Inhalation Rat 16000 ppm/4h

SECTION 12: Ecological information

Toxicity

No additional information available

Methyl acetate (79-20-9)

LC50 Fish 1 295 - 348 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

EC50 Daphnia 1 1026.7 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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LC 50 Fish 2 250 - 350 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
n-Heptane (142-82-5)
LC50 Fish 1 375.0 mg/l (Exposure time: 96 h - Species: Cichlid fish)

Persistence and degradability

No data available.

Bioaccumulative potential

Methyl acetate (79-20-9)
Log Pow 0.18
Carbon dioxide (124-38-9)
BCF Fish 1 (no bioaccumulation)
Log Pow 0.83
n-Heptane (142-82-5)
Log Pow 4.66

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Endocrine disrupting properties

No data available.

Other adverse effects

Avoid release to the environment.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Waste treatment

Ecology – Waste Materials: Avoid release to the environment.

Other disposal recommendations

Handle empty containers with care because residual product is flammable.

SECTION 14: Transport information

DOT (US)

UN Number: UN3501

Class: 2.1

Proper Shipping Name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.(Petroleum Gases, Liquefied; Methyl Acetate)

Label Codes: 2.1

ERG Number: 115

IMDG

UN Number: UN3501

Class: 2

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Label Codes: 2.1

EMS Number (Fire): F-D

ENS Number (Spillage): S-U

Proper Shipping Name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.(Petroleum Gases, Liquefied; Methyl Acetate)

IATA

UN Number: UN3501

Class: 2.1

Label Codes: 2.1

Proper Shipping Name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.(Petroleum Gases, Liquefied; Methyl Acetate)

According to IATA, Forbidden to transport via passenger craft. If shipping on cargo aircraft, adhere to special provisions A1 and A187.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Common name: METHYL ACETATE

CAS number: 79-20-9

Pennsylvania Right To Know Components

Chemical name: Acetic acid, methyl ester

CAS number: 79-20-9

Canadian Domestic Substances List (DSL)

Chemical name: Acetic acid, methyl ester

CAS: 79-20-9

Canadian Domestic Substances List (DSL)

Chemical name: Resin acids and Rosin acids, esters with pentaerythritol

CAS: 8050-26-8

New Jersey Right To Know Components

Common name: BUTANE

CAS number: 106-97-8

Pennsylvania Right To Know Components

Chemical name: Butane

CAS number: 106-97-8

Canadian Domestic Substances List (DSL)

Chemical name: Butane

CAS: 106-97-8

New Jersey Right To Know Components

Common name: CARBON DIOXIDE

CAS number: 124-38-9

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Pennsylvania Right To Know Components

Chemical name: Carbon dioxide

CAS number: 124-38-9

Canadian Domestic Substances List (DSL)

Chemical name: Carbon dioxide

CAS: 124-38-9

Canadian Domestic Substances List (DSL)

Chemical name: Heptane, branched, cyclic and linear

CAS: 426260-76-6

New Jersey Right To Know Components

Common name: n-HEPTANE

CAS number: 142-82-5

Pennsylvania Right To Know Components

Chemical name: Heptane

CAS number: 142-82-5

Canadian Domestic Substances List (DSL)

Chemical name: Heptane

CAS: 142-82-5

New Jersey Right To Know Components

Common name: PROPANE

CAS number: 74-98-6

Pennsylvania Right To Know Components

Chemical name: Propane

CAS number: 74-98-6

Canadian Domestic Substances List (DSL)

Chemical name: Propane

CAS: 74-98-6

15.2 Chemical Safety Assessment

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: Other information

ADDITIONAL COMMENTS: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

DATE OF PREVIOUS SDS: April 2023

CHANGES SINCE PREVIOUS SDS: Section 2 updates.

16.1 Further information/disclaimer

This information relates to the specific material designated and may not be valid for such material used on combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or

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