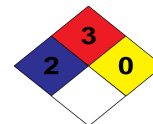


MULTIGRAB 360° ADHESIVE**SECTION 1: IDENTIFICATION**

- 1.1 GHS Product identifier:** MULTIGRAB 360° ADHESIVE
Other means of identification:
 Non-applicable
- 1.2 Recommended use of the chemical and restrictions on use:**
 Relevant uses: Adhesive
 Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**
 Distributed by: UNECOL Adhesives North America, LLC (dba Supertite Adhesives North America)
 7360 Brooks Bridge Rd, Gibsonville, NC 27249 USA
 Phone: +1.888.963.8879 - Fax: +1.888.963.8879
<http://us.supertite.com/index.php>
- 1.4 Emergency phone number:** For Medical or Chemical Emergencies Only, contact your local poison control center or call US & Canada: +1(800)424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
NFPA:
 Health Hazards: 2
 Flammability Hazards: 3
 Instability Hazards: 0
 Special Hazards: Non-applicable
- 29 CFR 1910.1200:**
 Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.
 Eye Irrit. 2A: Eye irritation, Category 2A, H319
 Flam. Liq. 2: Flammable liquids, Category 2, H225
 Skin Irrit. 2: Skin irritation, Category 2, H315
 Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
 STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:**NFPA:****29 CFR 1910.1200:****Danger****Hazard statements:**

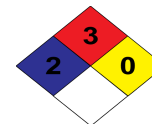
Eye Irrit. 2A: H319 - Causes serious eye irritation.
 Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
 Skin Irrit. 2: H315 - Causes skin irritation.
 Skin Sens. 1A: H317 - May cause an allergic skin reaction.
 STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

P102: Keep out of reach of children.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment.

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MULTIGRAB 360° ADHESIVE



SECTION 2: HAZARD(S) IDENTIFICATION (continued)

Substances that contribute to the classification

Acetone; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Ethyl acetate; Phenol, styrenated

2.3 Hazards not otherwise classified (HNOC):

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Chemical description: Mixture of substances

Components:

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

| Identification | Chemical name/Classification | Concentration |
|---------------------|--|---------------|
| CAS: 67-64-1 | Acetone Eye Irrit. 2A: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger | 10 - <25 % |
| CAS: 64742-49-0 | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Asp. Tox. 1: H304; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H336 - Danger | 10 - <25 % |
| CAS: 141-78-6 | Ethyl acetate Eye Irrit. 2A: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger | 10 - <25 % |
| CAS: 112945-52-5 | Syntetic Silicon Dioxide Eye Irrit. 2A: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning | 0,9 - <2,5 % |
| CAS: 61788-44-1 | Phenol, styrenated Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning | 0,09 - <0,9 % |
| CAS: Non-applicable | Producto de reaccion de Bis(1,2,2,6,6-pentametil-4-piperidil) sebacato y Metil 1,2,2,6,6-pentametil-4-piperidil sebacato Skin Sens. 1A: H317 - Warning | 0,09 - <0,9 % |

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

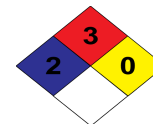
By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms/effects, acute and delayed:

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SECTION 4: FIRST-AID MEASURES (continued)

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

See section 8.

6.2 Environmental precautions:

The characteristic of Ignitability per RCRA could apply to the unused product if it becomes a waste material. The EPA hazardous waste number D001 could apply. It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

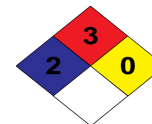
See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

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SECTION 7: HANDLING AND STORAGE (continued)

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Because the product is a flammable liquid, storage should meet the requirement of 29 CFR 1910.106, Flammable and Combustible Liquids Code. Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 41 °F
Maximum Temp.: 86 °F

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

| Identification | Occupational exposure limits | | |
|--------------------------------|--|--|------------------------|
| | Acetone CAS: 67-64-1 | 8-hour TWA PEL Ceiling Values - TWA PEL | 1000 ppm |
| Ethyl acetate CAS: 141-78-6 | 8-hour TWA PEL Ceiling Values - TWA PEL | 400 ppm | 1400 mg/m ³ |

US. ACGIH Threshold Limit Values (2022):

| Identification | Occupational exposure limits | | |
|--------------------------------|------------------------------|---------------------|--------------------|
| | Acetone CAS: 67-64-1 | TLV-TWA TLV-STEL | 250 ppm 500 ppm |
| Ethyl acetate CAS: 141-78-6 | TLV-TWA TLV-STEL | 150 ppm | |

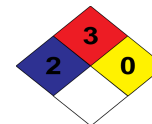
CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

| Identification | Occupational exposure limits | | |
|--------------------------------|------------------------------|-------------|------------------------|
| | Acetone CAS: 67-64-1 | PEL STEL | 500 ppm 750 ppm |
| Ethyl acetate CAS: 141-78-6 | PEL STEL | 400 ppm | 1400 mg/m ³ |

Biological limit values:

- CONTINUED ON NEXT PAGE -

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Biological Exposure Indices (BEIs®) - ACGIH

| Identification | BEIs® | Determinant | Sampling Time |
|-------------------------|---------|------------------|---------------|
| Acetone CAS: 67-64-1 | 25 mg/L | Acetone in urine | End of shift |

8.2 Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

| Pictogram | PPE | Remarks |
|--|-----------------------------------|--|
| Mandatory respiratory tract protection | Filter mask for gases and vapours | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR) |

C.- Specific protection for the hands

| Pictogram | PPE | Remarks |
|-------------------------------|---|--|
| Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR) |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Remarks |
|-------------------------------|---|---|
| Mandatory face protection | Panoramic glasses against splash/projections. | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR) |

E.- Bodily protection

| Pictogram | PPE | Remarks |
|--|---|--|
| Mandatory complete body protection | Antistatic and fireproof protective clothing | Limited protection against flames. |
| Mandatory foot protection | Safety footwear with antistatic and heat resistant properties | Replace boots at any sign of deterioration. Use foot protection in accordance with manufacturer's use limitations and OSHA standard 1910.136 (29CFR) |

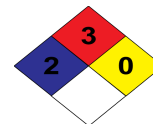
F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|----------------------|---|----------------------|--|
| Emergency shower | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 | Eyewash stations | DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 |

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

40 CFR Part 59 (VOC):

V.O.C.(weight-percent): 35.23 % weight
V.O.C. at 73.4 °F: 311.79 kg/m³ (311.79 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 68 °F: Liquid
Appearance: Not available
Color: Not available
Odor: Not available
Odour threshold: Non-applicable *

Volatility:

Boiling point at atmospheric pressure: 162 °F
Vapour pressure at 73.4 °F: 17968 Pa
Vapour pressure at 122 °F: 54437.48 Pa (54.44 kPa)
Evaporation rate at 73.4 °F: Non-applicable *

Product description:

Density at 73.4 °F: 885 kg/m³
Relative density at 73.4 °F: 0.885
Dynamic viscosity at 73.4 °F: Non-applicable *
Kinematic viscosity at 73.4 °F: 15000 mm²/s
Kinematic viscosity at 104 °F: Non-applicable *
Concentration: Non-applicable *
pH: Non-applicable *
Vapour density at 73.4 °F: Non-applicable *
Partition coefficient n-octanol/water 73.4 °F: Non-applicable *
Solubility in water at 73.4 °F: Non-applicable *
Solubility properties: Non-applicable *
Decomposition temperature: Non-applicable *
Melting point/freezing point: Non-applicable *

Flammability:

Flash Point: 13 °F
Flammability (solid, gas): Non-applicable *
Autoignition temperature: 770 °F
Lower flammability limit: Not available
Upper flammability limit: Not available

Particle characteristics:

Median equivalent diameter: Non-applicable

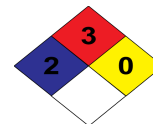
9.2 Other information:

Information with regard to physical hazard classes:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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MULTIGRAB 360° ADHESIVE



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|--|------------------|
| Explosive properties: | Non-applicable * |
| Oxidising properties: | Non-applicable * |
| Corrosive to metals: | Non-applicable * |
| Heat of combustion: | Non-applicable * |
| Aerosols-total percentage (by mass) of flammable components: | Non-applicable * |
| Other safety characteristics: | |
| Surface tension at 73.4 °F: | Non-applicable * |
| Refraction index: | Non-applicable * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

10.5 Incompatible materials:

| Acids | Water | Oxidising materials | Combustible materials | Others |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

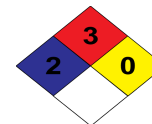
B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

MULTIGRAB 360° ADHESIVE



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
 - IARC: Styrene-Butadiene copolymer (3); Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (3)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

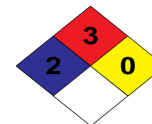
Non-applicable

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|---|-----------------|---------------|--------|
| Acetone CAS: 67-64-1 | LD50 oral | 5800 mg/kg | Rat |
| | LD50 dermal | 7426 mg/kg | Rabbit |
| | LC50 inhalation | 76 mg/L (4 h) | Rat |
| Synthetic Silicon Dioxide CAS: 112945-52-5 | LD50 oral | 10000 mg/kg | Rat |
| | LD50 dermal | 5100 mg/kg | Rabbit |
| | LC50 inhalation | >5 mg/L | |
| Ethyl acetate CAS: 141-78-6 | LD50 oral | 4100 mg/kg | Rat |
| | LD50 dermal | 20000 mg/kg | Rabbit |
| | LC50 inhalation | >20 mg/L | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 | LD50 oral | >5000 mg/kg | |
| | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Phenol, styrenated CAS: 61788-44-1 | LD50 oral | >5000 mg/kg | |
| | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Producto de reaccion de Bis(1,2,2,6,6-pentametil-4-piperidil) sebacato y Metil 1,2,2,6,6-pentametil-4-piperidil sebacato CAS: Non-applicable | LD50 oral | 3230 mg/kg | Rat |
| | LD50 dermal | 3170 mg/kg | Rabbit |
| | LC50 inhalation | >20 mg/L | |

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MULTIGRAB 360° ADHESIVE



SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

| Identification | Concentration | Species | Genus |
|---|------------------------|-------------------------|------------|
| Acetone CAS: 67-64-1 | LC50 5540 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| | EC50 8800 mg/L (48 h) | Daphnia pulex | Crustacean |
| | EC50 3400 mg/L (48 h) | Chlorella pyrenoidosa | Algae |
| Ethyl acetate CAS: 141-78-6 | LC50 230 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 717 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 3300 mg/L (48 h) | Scenedesmus subspicatus | Algae |
| Synthetic Silicon Dioxide CAS: 112945-52-5 | LC50 10000 mg/L (96 h) | Brachydanio rerio | Fish |
| | EC50 10000 mg/L (24 h) | Daphnia magna | Crustacean |
| | EC50 Non-applicable | | |
| Phenol, styrenated CAS: 61788-44-1 | LC50 5.6 mg/L (96 h) | N/A | Fish |
| | EC50 16 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 9 mg/L (72 h) | N/A | Algae |
| Producto de reaccion de Bis(1,2,2,6,6-pentametil-4-piperidil) sebacato y Metil 1,2,2,6,6-pentametil-4-piperidil sebacato CAS: Non-applicable | LC50 0.9 mg/L (96 h) | Danio rerio | Fish |
| | EC50 Non-applicable | | |
| | EC50 1.7 mg/L (72 h) | N/A | Algae |

Chronic toxicity:

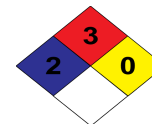
| Identification | Concentration | Species | Genus |
|---|---------------------|---------------------|------------|
| Acetone CAS: 67-64-1 | NOEC Non-applicable | | |
| | NOEC 2212 mg/L | Daphnia magna | Crustacean |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 | NOEC Non-applicable | | |
| | NOEC 0.17 mg/L | Daphnia magna | Crustacean |
| Ethyl acetate CAS: 141-78-6 | NOEC 9.65 mg/L | Pimephales promelas | Fish |
| | NOEC 2.4 mg/L | Daphnia magna | Crustacean |
| Producto de reaccion de Bis(1,2,2,6,6-pentametil-4-piperidil) sebacato y Metil 1,2,2,6,6-pentametil-4-piperidil sebacato CAS: Non-applicable | NOEC Non-applicable | | |
| | NOEC 1 mg/L | Daphnia magna | Crustacean |

12.2 Persistence and degradability:

| Identification | Degradability | Biodegradability | |
|-------------------------|-------------------------|------------------|----------|
| Acetone CAS: 67-64-1 | BOD5 Non-applicable | Concentration | 100 mg/L |
| | COD Non-applicable | Period | 28 days |
| | BOD5/COD Non-applicable | % Biodegradable | 96 % |

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Degradability | | Biodegradability | |
|---|---------------|----------------|------------------|----------------|
| | Parameter | Value | Parameter | Value |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 14 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 95 % |
| Ethyl acetate CAS: 141-78-6 | BOD5 | 1.36 g O2/g | Concentration | 100 mg/L |
| | COD | 1.69 g O2/g | Period | 14 days |
| | BOD5/COD | 0.8 | % Biodegradable | 83 % |
| Phenol, styrenated CAS: 61788-44-1 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 7 % |
| Producto de reaccion de Bis(1,2,2,6,6-pentametil-4-piperidil) sebacato y Metil 1,2,2,6,6-pentametil-4-piperidil sebacato CAS: Non-applicable | BOD5 | Non-applicable | Concentration | 20 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 38 % |

12.3 Bioaccumulative potential:

| Identification | Bioaccumulation potential | |
|--------------------------------|---------------------------|----------|
| | Parameter | Value |
| Acetone CAS: 67-64-1 | BCF | 1 |
| | Pow Log | -0.24 |
| | Potential | Low |
| Ethyl acetate CAS: 141-78-6 | BCF | 30 |
| | Pow Log | 0.73 |
| | Potential | Moderate |

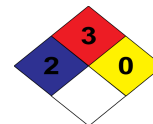
12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|---|-----------------------|----------------------|------------|------------------------------|
| | Parameter | Value | Parameter | Value |
| Acetone CAS: 67-64-1 | Koc | 1 | Henry | 2.93 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 2.304E-2 N/m (77 °F) | Moist soil | Yes |
| Ethyl acetate CAS: 141-78-6 | Koc | 59 | Henry | 13.58 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 2.324E-2 N/m (77 °F) | Moist soil | Yes |
| Producto de reaccion de Bis(1,2,2,6,6-pentametil-4-piperidil) sebacato y Metil 1,2,2,6,6-pentametil-4-piperidil sebacato CAS: Non-applicable | Koc | 204400 | Henry | 0E+0 Pa·m ³ /mol |
| | Conclusion | Immobile | Dry soil | No |
| | Surface tension | Non-applicable | Moist soil | No |

12.5 Results of PBT and vPvB assessment:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Part 261- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to 49 CFR on the Transport of Dangerous Goods:



14.1 UN number: UN1133

14.2 UN proper shipping name: ADHESIVES

14.3 Transport hazard class(es): 3

Labels: 3

14.4 Packing group, if applicable: III

14.5 Marine pollutant: No

14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

Physico-Chemical properties: see section 9

Limited quantities: 5 L

14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



14.1 UN number: UN1133

14.2 UN proper shipping name: ADHESIVES

14.3 Transport hazard class(es): 3

Labels: 3

14.4 Packing group, if applicable: III

14.5 Marine pollutant: No

14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

Special regulations: 955, 223

EmS Codes: F-E, S-D

Physico-Chemical properties: see section 9

Limited quantities: 5 L

Segregation group: Non-applicable

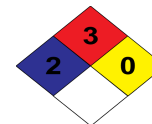
14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2022:

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SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number:** UN1133
14.2 UN proper shipping name: ADHESIVES
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group, if applicable: III
14.5 Marine pollutant: No
14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises
Physico-Chemical properties: see section 9
14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): Non-applicable
California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: Non-applicable
The Toxic Substances Control Act (TSCA) : Acetone ; Phenol, styrenated ; Isoprene-Styrene Polymer ; Styrene-Butadiene copolymer ; reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate ; Sorbitan monolaurate, ethoxylated ; Ethyl acetate ; Poly(styrene-co-alpha-methylstyrene) ; Hydrocarbon resin
Massachusetts RTK - Substance List: Acetone ; Ethyl acetate
New Jersey Worker and Community Right-to-Know Act: Acetone ; Ethyl acetate
New York RTK - Substance list: Acetone ; Ethyl acetate
Pennsylvania Worker and Community Right-to-Know Law: Acetone ; Ethyl acetate
CANADA-Domestic Substances List (DSL): Acetone ; Phenol, styrenated ; Isoprene-Styrene Polymer ; Styrene-Butadiene copolymer ; Syntetic Silicon Dioxide ; reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate ; Sorbitan monolaurate, ethoxylated ; Ethyl acetate ; Poly(styrene-co-alpha-methylstyrene) ; Hydrocarbon resin
CANADA-Non-Domestic Substances List (NDSL): Non-applicable
NTP (National Toxicology Program): Non-applicable
Minnesota - Hazardous substances ERTK: Acetone ; Ethyl acetate
Rhode Island - Hazardous substances RTK: Acetone ; Ethyl acetate
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Non-applicable
Hazardous Air Pollutants (Clean Air Act): Non-applicable
CALIFORNIA LABOR CODE - The Hazardous Substances List: Acetone ; Phenol, styrenated ; Ethyl acetate
California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Non-applicable
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: Acetone (5000 pounds) ; Ethyl acetate (5000 pounds)

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

Take into consideration other applicable federal, state, and local laws and local regulations.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

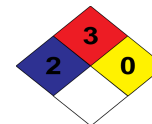
Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H225: Highly flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

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SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

29 CFR 1910.1200:

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Irrit. 2A: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT SE 3: H335 - May cause respiratory irritation.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

IARC: International Agency for Research on Cancer

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Manufacturer Disclaimer: The information contained in this safety data sheet ("SDS") is based on sources, technical knowledge and current legislation. Furthermore, is based on data believed to be accurate; thus, the company does not assume any liability for its accuracy. The information provided herein cannot be considered a guarantee of the properties of this product and the same is simply a description of the security requirements. The use, occupational methodology and/or conditions for users of this product are not within our awareness or control. It is ultimately the responsibility of the user(s) to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information of this SDS only refers to this product, which should not be used for purposes other than those specified. Finally, the manner in which this product is used and whether there is any infringement of patents is the sole responsibility of the user(s).

END OF SAFETY DATA SHEET

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