

Issue Date 09-Oct-2013

Revision Date: 04-Oct-2017

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Sensibond

Other means of identification

SDS # WTC-018

UN/ID No NA1993

Recommended use of the chemical and restrictions on use

Recommended Use Adhesives.

Details of the supplier of the safety data sheet

Supplier Address

 Walker Tape Co., Inc
 9312 S. Prosperity Road
 West Jordan, Utah 84081

Emergency Telephone Number

 Company Phone Number Phone: (801) 282-2015
 Fax: (801) 282-2131
 Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Transparent, water-white liquid

Physical State Liquid

Odor Stimulative odor

Classification

| | |
|--|------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Skin sensitization | Category 1 |
| Germ cell mutagenicity | Category 2 |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable Liquids | Category 4 |

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

Signal Word

Warning

Hazard Statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing genetic defects
Suspected of causing cancer
May cause respiratory irritation
Combustible liquid

**Precautionary Statements - Prevention**

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Very toxic to aquatic life with long lasting effects

Unknown Acute Toxicity

10% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-------------------------|------------|----------|
| Ethyl cyanoacrylate | 7085-85-0 | 60-100 |
| Acrylic Ester Copolymer | 25686-45-7 | <10 |
| Hydroquinone | 123-31-9 | 0-1 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice

Cyanoacrylate adhesive is a very fast setting and strong adhesive. It bonds human tissue and skin in seconds. Experience has shown that accidents due to Cyanoacrylates are best handled by passive, non-surgical first aid. Treatment of specific types of accidents are suggested as follows.

Eye Contact

Eyelid Adhesion-In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in one to two days. There will be no residual damage. Do not try to open the eyes by manipulation.

Adhesive in eye-Adhesive introduced into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, usually several hours. This will cause periods of weeping until clearance is achieved. It is important to understand that disassociation will normally occur within a matter of hours, even with gross contamination.

Skin Contact

Skin Contact-Remove excess adhesive. Soak in warm, soapy water. The adhesive will come loose from the skin in several hours. Dried adhesive does not present a health hazard even when bonded to the skin. Avoid contact with clothes, fabric, rags or tissue. Contact with these will generate heat causes smoke, skin burns and strong, irritating vapors. Wear rubber or polyethylene gloves and an apron when handling large amounts of adhesive.

Skin Adhesion-First immerse the bonded surfaces in warm, soapy water. Peel off or roll the surfaces open with the end of a blunt edge, such as a spatula or a spoon handle, then remove adhesive from the skin with soap and water. Do not try to pull the surfaces apart with a direct opposing action.

Burns-Cyanoacrylates give off heat on solidification. In rare cases, large drops will increase in temperature enough to cause a burn. Burns should be treated normally after the lump of Cyanoacrylate is released from the tissue as described above.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Ingestion

Mouth-If lips are accidentally stuck together apply lots of warm water and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips with direct opposing action. It is almost impossible to swallow Cyanoacrylate. The adhesive solidifies and adheres in the mouth. Saliva will lift the adhesive in one to two days.

Most important symptoms and effects

Symptoms

Causes skin irritation. Causes serious eye irritation. Direct eye contact may cause stinging, tearing and redness. May cause an allergic skin reaction. May cause respiratory irritation. May cause dermatitis. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May aggravate pre-existing skin conditions.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically. Surgery-It should never be necessary to use such drastic action to separate bonded skin.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray, fog (flooding amounts). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Combustible material.

Hazardous Combustion Products May produce acrid and toxic smoke and fumes if burning. Carbon monoxide. Carbon dioxide (CO₂).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protective equipment as required.

Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Polymerize with water. Solid material may be scraped from surface. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing vapors or mists. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Protect from direct UV. Protect from moisture. Ideal storage temperature range is 5°C to 10°C. Do not store above 25°C. Do not store at or below -5°C which freezes product to a useless state. Keep out of the reach of children.

Incompatible Materials

Alcohols. Amines. Alkaline materials. Product is polymerized by water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------------|--------------------------|--|---|
| Ethyl cyanoacrylate 7085-85-0 | TWA: 0.2 ppm | - | - |
| Hydroquinone 123-31-9 | TWA: 1 mg/m ³ | TWA: 2 mg/m ³ (vacated) TWA: 2 mg/m ³ | IDLH: 50 mg/m ³ Ceiling: 2 mg/m ³ 15 min |

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side shields or chemical goggles.

Skin and Body Protection Avoid skin contact. Wear gloves. Gloves made from Polyethylene or Polyvinyl Alcohol (PVA) are recommended. Wear protective clothing (e.g., an apron) to avoid skin contact. Do not use cotton, PVC or wool.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|---------------------------------|-----------------------|------------------|
| Physical State | Liquid | Odor | Stimulative odor |
| Appearance | Transparent, water-white liquid | Odor Threshold | Not determined |
| Color | Water white | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|-----------------------|-------------------------|
| pH | Not determined | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | 65 °C / 149 °F | |
| Flash Point | 85 °C / 185 °F | |
| Evaporation Rate | Nil | |
| Flammability (Solid, Gas) | Liquid-not applicable | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapour Pressure | 1 mmHg | @ 20 C |
| Vapor Density | Nil | |
| Specific Gravity | 1.06 | |
| Water Solubility | Insoluble in water | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable up to 122°F.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Avoid excessive heat above 185°F. Unintended contact with water or moisture. Incompatible Materials. Keep out of reach of children.

Incompatible Materials

Alcohols. Amines. Alkaline materials. Product is polymerized by water.

Hazardous Decomposition Products

Smoke may be acrid and fumes irritating. Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation.

Inhalation Avoid breathing vapors or mists.

Ingestion May be harmful if swallowed.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------------------|---------------------|---------------------|-----------------|
| Ethyl cyanoacrylate 7085-85-0 | > 5 mL/kg (Rat) | - | - |
| Hydroquinone 123-31-9 | = 320 mg/kg (Rat) | > 900 mg/kg (Rat) | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Suspected of causing genetic defects.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|---------|-----|------|
| Hydroquinone 123-31-9 | A3 | Group 3 | | |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

STOT - single exposure May cause respiratory irritation.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity

10% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--------------------------|---|--|--|---|
| Hydroquinone 123-31-9 | 13.5: 120 h <i>Desmodesmus subspicatus</i> mg/L EC50 0.335: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 | 0.044: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 0.044: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 0.1 - 0.18: 96 h <i>Pimephales promelas</i> mg/L LC50 static 0.17: 96 h <i>Brachydanio rerio</i> mg/L LC50 | EC50 = 0.038 mg/L 15 min EC50 = 0.0382 mg/L 30 min EC50 = 0.042 mg/L 5 min EC50 = 23.75 mg/L 60 min | 0.29: 48 h <i>Daphnia magna</i> mg/L EC50 |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|--------------------------|-----------------------|
| Hydroquinone 123-31-9 | 0.5 |

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note DOT Ground: Combustible liquids are not regulated in non-bulk shipments per 49 CFR 173.150(f)(2). Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

| | |
|-----------------------------|--|
| UN/ID No | NA1993 |
| Proper Shipping Name | Combustible liquid, n.o.s. (Ethyl cyanoacrylate) |
| Hazard Class | 3 |
| Packing Group | III |

IATA

Not regulated

IMDG

Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Not determined

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|--------------------------|--------------------------|----------------|---|
| Hydroquinone 123-31-9 | 100 lb | 100 lb | RQ 100 lb final RQ RQ 45.4 kg final RQ |

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|-------------------------|----------|----------|-------------------------------|
| Hydroquinone - 123-31-9 | 123-31-9 | 0-1 | 1.0 |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|------------|---------------|--------------|
| Ethyl cyanoacrylate 7085-85-0 | X | | |
| Hydroquinone 123-31-9 | X | X | X |

| |
|------------------------------|
| 16. OTHER INFORMATION |
|------------------------------|

NEPA**Health Hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards Notdetermined **Personal****HMIS****Health Hazards**

Not determined

Flammability

Not determined

Physical Hazards

Not determined

Protection Not

determined

Issue Date

09-Oct-2013

Revision Date:

04-Oct-2017

Revision Note

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet