



Bradley Systems

Safety Data Sheet

Issue Date: 15-Dec-2016

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Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Bradley BTAS10 Auto-Safe Adhesive Remover

Other means of identification

SDS # BTAS10

Recommended use of the chemical and restrictions on use

Recommended Use Ink and Coating Cleaner

Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Supplier Address

Bradley Systems
a division of TRION Chemicals
320 37th Avenue
St. Charles, IL 60174
www.bradley-systems.com

Emergency Telephone Number

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

This material is considered hazardous by the OSHA Hazard Communication Standard (29CFR1910.1200).

Classification

Eye irritation

Category 2A

Signal Word

Warning

Hazard Statements

Causes serious eye irritation.



Precautionary Statements - Prevention

Wear eye or face protection. Wash hands thoroughly after handling.

Precautionary Statements - Response

If in the 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 attention.

Precautionary Statements - Storage

Store according to local, regional, national and international rules and regulations.

Precautionary Statements - Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Alcohols, C12-18, ethoxylated and propoxylated	69227-21-0	≥1 - ≤3
1-Propoxypropan-2-ol	1569-01-3	≥1 - ≤3
Sodium xylenesulphonate	1300-72-7	≥1 - ≤3
Dodecyltrimethylamine oxide	1643-20-5	≥0.3 - <3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
Skin Contact	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting is dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms and effects

Symptoms	If in eyes: causes serious eye irritation. No known significant hazards for: Inhalation, Skin contact and Ingestion.
Over-exposure	If in eyes: Adverse symptoms may include the following pain or irritation, watering, redness. No known significant effects or critical hazards for: Inhalation, Skin contact and Ingestion.

Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media Not known.

Specific Hazards Arising from the Chemical

No specific fire or explosion hazard.

Hazardous thermal decomposition products Carbon dioxide, carbon monoxide, sulfur oxides and metal oxide/oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus with a full-piece operated in positive pressure mode. No other special measures are required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Emergency responders	If specialized clothing is required to deal with spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "non - emergency personnel".
Environmental precautions	Avoid dispersal of spilled material and runoff and contain with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-soluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
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Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
Occupational exposure limits	Alcohols, C12-18 ethoxylated and propoxylated, 1-Propoxypropan-2-ol, Sodium xylenesulphonate, Dodecyltrimethylamine oxide = No exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin and Body Protection	<p>Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.</p> <p>Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Other skin protection; use appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</p>
Respiratory Protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
General Hygiene Considerations	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Pale yellow liquid	Odor	Not determined
Color	Pale yellow	Odor Threshold	Not determined
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	11.94		
Melting Point/Freezing Point	Not applicable		
Boiling Point/Boiling Range	98.9 °C / 210 °F		
Flash Point	Closed cup: >98.9°C (>210°F)		
Evaporation Rate	No information available		
Flammability (Solid, Gas)	No information available		
Upper Flammability Limits	No information available		
Lower Flammability Limit	No information available		
Vapor Pressure	<0.13kPa (<1 mmHg)	[Room temperature]	
Vapor Density	No information available		
Relative Gravity	1.0202	(Water = 1)	
Water Solubility	Completely soluble		
Solubility in other solvents	No information available		
Partition Coefficient	No information available		
Auto-ignition Temperature	98.9°C (210°F)		
Decomposition Temperature	No information available		
Kinematic Viscosity	No information available		
Dynamic Viscosity	No information available		
Explosive Properties	No information available		
Oxidizing Properties	No information available		
VOC Content	None		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

No information available.

Incompatible Materials

Reactive or incompatible with the following materials: acids.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

1-Propoxypropan-2-ol	LD50 Dermal, Rabbit, 3550 mg/kg dose LD50 Oral, Rat, 2054 mg/kg dose
1-Propoxypropan-2-ol	Eyes – Moderate irritant, Rabbit, 100 mg Exposure
Dodecyldimethylamine oxide	Eyes – Severe irritant, Rabbit, 1% Exposure Skin – Severe irritant, Rabbit, 24 hours 2 mg Exposure

<u>Sensitization</u>	No information available.
<u>Mutagenicity</u>	No information available.
<u>Carcinogenicity</u>	No information available.
<u>Reproductive toxicity</u>	No information available.
<u>Teratogenicity</u>	No information available.
<u>Aspiration hazard</u>	No information available.

Specific target organ toxicity single and repeated exposure

No information available.

Information on the likely routes of exposure – Dermal contact. Eye contact. Inhalation. Ingestion.**Potential acute health hazard**

Eye contact – Causes serious eye irritation.

Inhalation – No known significant effect or critical hazards.

Skin contact – No known significant effect or critical hazards.

Ingestion – No known significant effect or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact – Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation – No known significant effects or critical hazards.

Skin contact – No known significant effects or critical hazards.

Ingestion - No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long-term exposure

No known significant effects or critical hazards for: Short-term or long-term exposure.

Potential chronic health effects

General – No known significant effects or critical hazards.

Carcinogenicity – No known significant effects or critical hazards.

Mutagenicity – No known significant effects or critical hazards.

Teratogenicity – No known significant effects or critical hazards.

Developmental effects – No known significant effects or critical hazards.

Fertility effects - No known significant effects or critical hazards.

Numerical measures of toxicity – Acute Toxicity estimates

Route	ATE Value
Oral	195625 mg/kg
Dermal	277343.8 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not determined.

Persistence/Degradability

Not determined.

Bioaccumulation

Product/ingredients name	LogP _{ow}	BCF	Potential
1-Propoxypropan-2-ol	0.621	-	Low
Sodium xylenesulphonate	-3.12	-	Low

Mobility

Not determined.

Other Adverse Effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

DOT

Not regulated.

IATA

Not regulated.

IMDG

Not regulated.

Environmental hazards

No.

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

International Inventories

TSCA 8(a) CDR Exempt/Partial Exemption - Not determined.
United States Inventory (TSCA 8b): All components are listed or exempted.

Legend:

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

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)-Not listed.

Clean Air Act Section 602 Class I Substances-Not listed.

Clean Air Act Section 602 Class II Substances-Not listed.

DEA List I Chemicals (Precursor Chemicals) -Not listed.

DEA List II Chemicals (Essential Chemicals) -Not listed.

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 302/304 – Composition / information on ingredients – No products/substances were found.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA (Clean Water Act)

This product does contain substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42). Sodium hydroxide; Potassium hydroxide.

US State Regulations**California Proposition 65**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations. None of the components are listed.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMIS</u>	Health Hazards Not determined	Flammability Not determined	Physical Hazards Not determined	Personal Protection Not determined

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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 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