

# SAFETY DATA SHEET

## SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® Big Stick™**

PRODUCT TYPE: Spray Mist Adhesive

PRODUCT CODE: C2041

MANUFACTURED FOR: Castle Products, Inc.  
424 St. Paul Street  
Rochester, NY 14605  
(800) 876-0222  
EMERGENCY (585) 275-3232

## SECTION 2 HAZARDS IDENTIFICATION

### Classification

Serious eye damage/eye irritation	Category 2A
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### DANGER

#### Hazard Statements

Causes serious eye irritation

Suspected of damaging fertility or the unborn child

May cause drowsiness or dizziness. May cause respiratory irritation.

May cause damage to organs (Central Nervous System, Eyes, Kidney, Liver, Lungs, Respiratory System, and Skin) through prolonged or repeated exposure.

Extremely Flammable Aerosol

Contains gas under pressure; may explode if heated



**Appearance** Opaque

**Physical state** Aerosol

**Odor** Solvent

#### Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood

Obtain special instructions before use

Wear protective gloves/eye protection/face protection/protective clothing

Wash face, hands and any exposed skin thoroughly after handling

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces-No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use

**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 INHALED : Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Store locked up

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

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC):** None

**Other information:** 0% of the mixture consists of ingredient(s) of unknown toxicity.

**SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS**

ACETONE	67-64-1	30-40
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	20-30
ADHESIVE BLEND	MIXTURE	20-30
METHYL ACETATE	79-20-9	10-20
PETROLEUM DISTILLATE	8030-30-6	1-10
TOLUENE	108-88-3	1-10

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4 FIRST AID MEASURES**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician if irritation persists.

If on skin: Take off contaminated clothing and wash it before reuse. Wash with plenty of water. Call a physician if irritation persists.

If swallowed: Rinse mouth. Call a physician if you feel unwell.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a physician if you feel unwell.

**SECTION 5 FIRE FIGHTING MEASURES****Suitable Extinguishing Media**

Water fog. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Cool containers/tanks with water spray.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

Extremely Flammable/Flammable. Keep product and empty container away from heat and sources of ignition.

**Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** Yes.

**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. Use shielding to protect fire-fighters from bursting containers.

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

**Personal precautions** Use with adequate ventilation to keep the exposure levels below the occupational exposure limits.

**Environmental precautions**

**Environmental precautions** Vapors can accumulate in low areas. Report spills as required by local and federal regulations.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Absorb with sand, clay, or other suitable material. Hard surfaces may be mopped with water. Material can create slippery conditions. Dam up. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

A large spill is not likely to occur.

**Large Spills:****SECTION 7 HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling**

Avoid inhaling vapors or mists. Harmful if inhaled. May cause respiratory irritation if inhaled. May cause drowsiness or dizziness. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke, when using this product. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces, and sources of ignition. Take precautionary measures against static discharges. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

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

Keep from freezing. Keep away from heat, sparks, or open flame Keep containers tightly closed.

**Incompatible products**

Strong acids, alkalis, and oxidizing agents.

**Aerosol Level**

3

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control Parameters:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ACETONE 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6: TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	74-98-6: IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> 106-97-8: TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup> 75-28-5: TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
METHYL ACETATE 79-20-9	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m <sup>3</sup>	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m <sup>3</sup> STEL: 250 ppm STEL: 760 mg/m <sup>3</sup>
PETROLEUM DISTILLATE 8030-30-6	-	TWA: 100 ppm TWA: 400 mg/m <sup>3</sup> TWA: 500 ppm TWA: 2000 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 400 mg/m <sup>3</sup>	IDLH: 1000 ppm TWA: 100 ppm TWA: 400 mg/m <sup>3</sup>
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Exposure controls****Engineering Measures**

Ventilation systems. Use adequate ventilation to keep the exposure levels below the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

Big Stick™

Product Code: C2014

Page 3 of 8

<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Chemical resistant apron. Protective gloves.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION, continued.

<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

<b>Physical state</b>	Aerosol	<b>Odor</b>	Solvent
<b>Appearance</b>	Opaque	<b>Odor Threshold</b>	
<b>Color</b>	Beige		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>	No information available	
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>		
<b>Flash Point</b>	-96.4 °C / -141 °F	Based on propellant
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>	No information available	
<b>upper flammability limit</b>	No information available	
<b>lower flammability limit</b>	No information available	
<b>Specific Gravity</b>	0.759	
<b>Water solubility</b>	Negligible	
<b>Partition coefficient: n-octanol/water</b>	Not applicable	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity</b>	No information available	
<b>Explosive properties</b>	None	

### Other information

**CARB VOC(%)**: 35.44%

## SECTION 10 STABILITY and REACTIVITY DATA

**CHEMICAL STABILITY**: Stable under normal conditions.

**POSSIBILITY of HAZARDOUS REACTIONS**: Unlikely

**CONDITIONS TO AVOID**: Extreme Heat and Sunlight

**INCOMPATIBLE MATERIALS**: Strong acids, alkalis, or oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**: Carbon Monoxide, Carbon Dioxide, Hydrocarbon fumes and smoke.

**HAZARDOUS POLYMERIZATION**: Will not occur.

## SECTION 11 TOXICOLOGICAL INFORMATION

### Product Information

<b>Inhalation</b>	Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	May cause skin irritation.
<b>Ingestion</b>	May be harmful if swallowed and enters airways.

### Component Information

<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
ACETONE 67-64-1	= 5800 mg/kg ( Rat )	-	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-	=31mg/L (Rat) 4 hr

METHYL ACETATE 79-20-9	> 5 g/kg ( Rat )	> 5 g/kg ( Rabbit )	= 16000 ppm ( Rat ) 4 h
PETROLEUM DISTILLATE 8030-30-6	> 5 g/kg ( Rat )	-	-
TOLUENE 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h

## SECTION 11 TOXICOLOGICAL INFORMATION, continued.

### Information on toxicological effects

#### Symptoms

Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs (Central Nervous System, Eyes, Kidney, Liver, Lungs, Respiratory System, and Skin) through prolonged or repeated exposure.

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

#### Skin corrosion/irritation

May cause skin irritation.

#### Eye damage/irritation

Causes serious eye irritation.

#### Sensitization

Not a known sensitizer.

#### Germ Cell Mutagenicity

Not a germ cell mutagen.

#### Carcinogenicity

The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
TOLUENE E 108- 88-3	-	Group 3	-	-

#### Legend:

**IARC: (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to Carcinogenicity in Humans

#### Reproductive toxicity

This product does contain a chemical which is a known or suspected reproductive hazard. Suspected of damaging fertility or the unborn child.

#### Specific target organ systemic toxicity (single exposure)

None under normal use conditions.

#### Specific target organ systemic toxicity (repeated exposure)

May cause damage to organs (Central Nervous System, Eyes, Kidney, Liver, Lungs, Respiratory System, and Skin) through prolonged or repeated exposure.

#### Chronic toxicity

Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.

#### Neurological effects

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

#### Aspiration hazard

May be harmful if swallowed and enters airways.

### Numerical measures of toxicity - Product Information

#### Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (dermal) 15150 mg/kg

ATEmix (inhalation-gas) 198334 mg/l

ATEmix (inhalation-dust/mist) 35.8 mg/l

## SECTION 12 ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
---------------	-------------------	------------------	----------------------------	---

ACETONE 67-64-1	-	4.74 - 6.33 mL/L LC50 Oncorhynchus mykiss 96h 6210 - 8120 mg/L LC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h	-	10294 - 17704 mg/L EC50 Daphnia magna 48h Static 12600 - 12700 mg/L EC50 Daphnia magna 48h
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-	-	-
METHYL ACETATE 79-20-9	120 mg/L EC50 Desmodesmus subspicatus 72h	295 - 348 mg/L LC50 Pimephales promelas 96h flow-through 250 - 350 mg/L LC50 Brachydanio rerio 96h static	-	1026.7 mg/L EC50 Daphnia magna 48h
PETROLEUM DISTILLATE 8030-30-6	4700 mg/L EC50 Pseudokirchneriella subcapitata 72h	9.2 mg/L LC50 Lepomis macrochirus 96h static	-	-
TOLUENE 108-88-3	433 mg/L EC50 Pseudokirchneriella subcapitata 96h 12.5 mg/L EC50 Pseudokirchneriella subcapitata 72h static	15.22 - 19.05 mg/L LC50 Pimephales promelas 96h flow-through 12.6 mg/L LC50 Pimephales promelas 96h static 5.89 - 7.81 mg/L LC50 Oncorhynchus mykiss 96h flow-through 14.1 - 17.16 mg/L LC50 Oncorhynchus mykiss 96h static 5.8 mg/L LC50 Oncorhynchus mykiss 96h semi-static 11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 54 mg/L LC50 Oryzias latipes 96h static 28.2 mg/L LC50 Poecilia reticulata 96h semi-static 50.87 - 70.34 mg/L LC50 Poecilia reticulata 96h static	-	5.46 - 9.83 mg/L EC50 Daphnia magna 48h Static 11.5 mg/L EC50 Daphnia magna 48h

#### **Persistence and degradability**

#### **Bioaccumulation**

Chemical Name	log Pow
ACETONE 67-64-1	-0.24
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	<=2.8
METHYL ACETATE 79-20-9	0.18
TOLUENE 108-88-3	2.7

### **SECTION 13 DISPOSAL CONSIDERATIONS**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR261). Dispose of in accordance with federal, state, and local regulations.

### **SECTION 14 TRANSPORT INFORMATION**

UN Number: UN1950  
 UN Proper Shipping Name: AEROSOLS, FLAMMABLE  
 Transport Hazard Class(es): 2.1  
 Packing Group: NA  
 Marine Pollutant: No  
 Special Precautions: None Required

DOT Classification: Consumer Commodity ORM-D, or Limited Quantity.

### **SECTION 15 REGULATORY INFORMATION**

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components: This material does contain a chemical components with known CAS numbers that exceeds the threshold (De Minimis) reporting levels established by SARA Title III, Section 313:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
TOLUENE - 108-88-3	108-88-3	1.40556	1.0

## SECTION 15 REGULATORY INFORMATION, continued.

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical:

Acute Health Hazard	no
Chronic Health Star Hazard	no
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	no

### Clean Water Act

This product does contain the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
TOLUENE 108-88-3	1000 lb	X	X	X

### CERCLA

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):


Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
ACETONE 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
TOLUENE 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ

### U.S. State Regulations

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
METHYL ACETATE 79-20-9	X	X	X
PETROLEUM DISTILLATE 8030-30-6	X	X	X
TOLUENE 108-88-3	X	X	X

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

California Proposition 65:  WARNING: This product can expose you to chemicals including Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.Prop65Warnings.ca.gov](http://www.Prop65Warnings.ca.gov).

## SECTION 16 OTHER INFORMATION

Further information: (HMIS® is a registered trade and service mark of the NPCA.)

HMIS® ratings	Health: 2 Flammability: 4 Physical hazard: 1
NFPA ratings	Health: 2 Flammability: 4

Instability: 0

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

Disclaimer Terms and Conditions. This SDS is designed only as guidance for the products to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on the manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this SDS, or in any other way related (directly or indirectly) to this SDS. The receipt and use of this information constitute consent to these terms and conditions.

PREPARED: 04/19/1993

UPDATED: 01/26/2024

PRODUCT #: C2041