SAFETY DATA SHEET

1. Identification

Product number Product identifier Company information	1000008463 CS0110 - SPOTTER BRADY SPOT SHOOTER AERO 180Z BRADY INDUSTRIES 7055 LINDELL ROAD LAS VEGAS, NV 89118 United States
Company phone	General Assistance 702-588-7863
Emergency telephone US	1-800-255-3924
Emergency telephone outside US	1-813-248-0585
Version #	01
Recommended use	CLEANER
Recommended restrictions	None known.

2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 1
Health hazards	Serious eye damage/eye irritation	Category 2
OSHA defined hazards	Not classified.	
Label elements	$\wedge \wedge$	

	∇ \vee
Signal word	Danger
Hazard statement	Extremely flammable aerosol. Causes serious eye irritation.
Precautionary statement	
Prevention	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. Wash thoroughly after handling. Wear eye protection/face protection.
Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Butane		106-97-8	2.5 - 10
Diethylene Glycol Monobutyl Ether		112-34-5	2.5 - 10
Isopropyl Alcohol		67-63-0	2.5 - 10
Propane		74-98-6	1 - 2.5
Other components below reportable	e levels		60 - 80

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
E Eiro fighting magaziroa	

5. Fire-fighting measures Not available. Suitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable extinguishing media Specific hazards arising from Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed. the chemical Firefighters must use standard protective equipment including flame retardant coat, helmet with Special protective equipment face shield, gloves, rubber boots, and in enclosed spaces, SCBA, and precautions for firefighters Move containers from fire area if you can do so without risk. Containers should be cooled with Fire fighting equipment/instructions water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. Move **Specific methods** containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes. General fire hazards Extremely flammable aerosol. 6. Accidental release measures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear Personal precautions, protective equipment and appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before emergency procedures entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without Methods and materials for risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has containment and cleaning up dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. **Environmental precautions** Avoid discharge into drains, water courses or onto the ground. 7. Handling and storage Precautions for safe handling Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when

handling the product must be grounded. Do not re-use empty containers. Avoid contact with eyes. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good

industrial hygiene practices.

Level 1 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

8. Exposure controls/personal protection

Occupational exposure limits

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

Components		Туре		,	Value	
Isopropyl Alcohol (CAS 67-63-0)		PEL		ę	980 mg/m3	
,				4	400 ppm	
Propane (CAS 74-98-6)		PEL			1800 mg/m3	
, ,					1000 ppm	
US. ACGIH Threshold Li	mit Values					
Components		Туре		,	Value	Form
Butane (CAS 106-97-8)		STEL			1000 ppm	
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)		TWA			10 ppm	Inhalable fraction and vapor.
Isopropyl Alcohol (CAS 67-63-0)		STEL		4	400 ppm	
)		TWA		:	200 ppm	
US. NIOSH: Pocket Guid	le to Chemical Ha	azards				
Components		Туре		,	Value	
Butane (CAS 106-97-8)		TWA			1900 mg/m3	
				8	300 ppm	
Isopropyl Alcohol (CAS 67-63-0)		STEL			1225 mg/m3	
				ę	500 ppm	
		TWA		9	980 mg/m3	
				4	400 ppm	
Propane (CAS 74-98-6)		TWA			1800 mg/m3	
					1000 ppm	
ogical limit values						
ACGIH Biological Expos						
Components	Value		Determinant	Specimen	Sampling ⁻	Time
Isopropyl Alcohol (CAS 67-63-0)	40 mg/l		Acetone	Urine	*	
* - For sampling details, p	lease see the sour	rce docu	ment.			
propriate engineering trols	should be m or other eng	atched t ineering nits have	o conditions. If ap controls to mainta	plicable, use p ain airborne lev	rocess enclosur els below recon	e used. Ventilation rates res, local exhaust ventilation nmended exposure limits. to an acceptable level. Pro

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear suitable protective clothing.
Respiratory protection	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Gas.
Form	Aerosol.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	221.91 °F (105.5 °C) estimated
Flash point	-156.0 °F (-104.4 °C) PROPELLANT estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or expl	losive limits
Flammability limit - lower (%)	2.5 % estimated
Flammability limit - upper (%)	12 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	50 - 60 psig @70F estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Specific gravity	0.938 @70F estimated
10. Stability and reactivity	
Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Acids. Strong oxidizing agents. Oxidizing agents. Isocyanates. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected.

Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity

Product	Species	Test Results		
CS0110 - SPOTTER BRAD	Y SPOT SHOOTER AERO 180Z			
<u>Acute</u>				
Dermal				
LD50	Rat	28146 mg/kg		
Inhalation				
LC50	Rat	178 mg/l/4h		
Oral				
LD50	Rat			
Components	Species	Test Results		
Butane (CAS 106-97-8)				
<u>Acute</u>				
Inhalation				
LC50	Mouse	1237 mg/l, 120 Minutes		
		52 %, 120 Minutes		
	Rat	1355 mg/l		
Diethylene Glycol Monobuty	l Ether (CAS 112-34-5)			
<u>Acute</u>				
Dermal				
LD50	Rabbit	2764 mg/kg, 24 Hours		
	Rat	2021 mg/kg		
Inhalation				
LC50	Rat	74 mg/l/4h		
Oral				
LD100	Rabbit	4000 mg/kg		
LD50	Guinea pig	2000 mg/kg		
	Mouse	2410 mg/kg		
	Rabbit	2500 - 3000 mg/kg		
	Rat	7291 mg/kg		
sopropyl Alcohol (CAS 67-6				
Acute				
Dermal				
LD50	Rabbit	16.4 ml/kg, 24 Hours		
Inhalation		U.		
LC50	Rat	> 10000 ppm, 6 Hours		
Oral				
LD50	Rat	5.84 g/kg		
Propane (CAS 74-98-6)				
<u>Acute</u>				
Inhalation				
LC50	Mouse	1237 mg/l, 120 Minutes		
		52 %, 120 Minutes		

Components	Species		Test Results
	Rat		1355 mg/l
			658 mg/l/4h
* Estimates for product may	be based on a	dditional component data	not shown.
Skin corrosion/irritation	Prolonged	skin contact may cause to	emporary irritation.
Serious eye damage/eye irritation	Causes se	rious eye irritation.	
Respiratory or skin sensitization	on		
Respiratory sensitization	Not a respi	ratory sensitizer.	
Skin sensitization	This produ	ct is not expected to caus	e skin sensitization.
Germ cell mutagenicity		ailable to indicate produc or genotoxic.	t or any components present at greater than 0.1% are
Carcinogenicity	This produ	ct is not considered to be	a carcinogen by IARC, ACGIH, NTP, or OSHA.
Not listed. OSHA Specifically Regulat Not regulated. US. National Toxicology Pr Not listed. Reproductive toxicity	rogram (NTP)	Report on Carcinogens	
Specific target organ toxicity - single exposure	Not classifi	ed.	
Specific target organ toxicity - repeated exposure	Not classifi	ed.	
Aspiration hazard	Not likely, o	due to the form of the pro-	duct.
12. Ecological informatio	n		
Ecotoxicity			ronmentally hazardous. However, this does not exclude the s can have a harmful or damaging effect on the environment.
Product		Species	Test Results
CS0110 - SPOTTER BRAD	Y SPOT SHOC	DTER AERO 180Z	
Aquatic			
Algae	IC50	Algae	4054 mg/L, 72 Hours
Crustacea	EC50	Daphnia	29577 mg/L, 48 Hours
Fish	LC50	Fish	14638 mg/L, 96 Hours

Diethylene Glycol Monobutyl Ether (CAS 112-34-5)

Aquatic			
Crustacea	EC50	Daphnia	2803 mg/L, 48 Hours
Fish	LC50	Bluegill (Lepomis macrochirus)	1300 mg/l, 96 hours
		Fish	1304 mg/L, 96 Hours
propyl Alcohol (CA	S 67-63-0)		
Aquatic			
Algae	IC50	Algae	1000.0001 mg/L, 72 Hours
Crustacea	EC50	Daphnia	13299 mg/L, 48 Hours
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/l, 96 hours

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Test Results

Species

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Components

Partition coefficient n-octanol / water (log Kow)	
Butane	

Partition coefficient n-octan	ol / water (log Kow)	
Diethylene Glycol Monobutyl E	Ether 0.56	
Isopropyl Alcohol	0.05	
Propane	2.36	
Mobility in soil	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport information

DOT	
UN number	UN1950
UN proper shipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
	r Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L
	r Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft Cargo aircraft only	Allowed with restrictions.
Packaging Exceptions	LTD QTY
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	ALKOOOLO
Class	2.1
Subsidiary risk	2.1
Label(s)	None
Packing group	Not applicable.
. sound group	

 Environmental hazards
 Marine pollutant
 No.

 EmS
 F-D, S-U

 Special precautions for user
 Read safety instructions, SDS and emergency procedures before handling.

 Packaging Exceptions
 LTD QTY

 Transport in bulk according to
 Not applicable.

 Annex II of MARPOL 73/78 and
 He IBC Code

 DOT
 DOT





15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes

Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8) Propane (CAS 74-98-6)

Safe Drinking Water Act Not regulated. (SDWA)

US state regulations

- US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.
- US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0)

US. Massachusetts RTK - Substance List

Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0) Propane (CAS 74-98-6)

US. New Jersey Worker and Community Right-to-Know Act

Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0) Propane (CAS 74-98-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0) Propane (CAS 74-98-6)

US. Rhode Island RTK

Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0) Propane (CAS 74-98-6)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	04-12-2016
Version #	01

	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.
Revision information	Product and Company Identification: Alternate Trade Names