

**Prod.Name:** Z2B101283 BRAKE CLEANER - 10%  
VOC  
**Manufacturer:** SHERWIN-WILLIAMS COMPANY  
**HMCS ID:** 30052283  
**SUC:** 02 - Solvents - Flashpoint < 100 F

# MATERIAL SAFETY DATA SHEET

**Revision:** 02.Dec.2010  
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## 1 PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT INFORMATION

**Product Name:** Z2B101283 BRAKE CLEANER - 10% VOC

#### External Keys:

Brake Parts Primary Tradename - Distributable Material  
Cleaner (10% VOC)  
Carb and Choke Primary Tradename - Distributable Material  
Cleaner (10% VOC)  
19287401 Distributable Material (Part #)  
10-6014 Distributable Material (Part #)  
19287403 Distributable Material (Part #)  
10-6016 Distributable Material (Part #)

### MANUFACTURER INFORMATION

**Manufacturer:** SHERWIN-WILLIAMS COMPANY

#### Address:

101 Prospect Avenue N.W. USA Ohio 44115 Cleveland MAILING

#### Communication Lines:

Phone 216-566-2917 Medical emergency  
Phone 216-566-2902 Regulatory information  
Phone 800-247-3270 Information - Duplicolor Products Group  
Phone 800-247-3266 Information - Diversified Brands  
Phone 800-832-2541 Information - Krylon Products Group  
Phone 800-251-2486 Information - Consumer Group Industrial  
Phone 800-424-9300 Transportation emergency (Chemtrec)

## 2 INGREDIENT INFORMATION

#### Synonyms:

Product number: Z2B101283

### FORMULATION

#### Ingredients:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Exposure Limits</u>
HEPTANE	142-82-5	=	10	% Wt	Yes
ACETONE	67-64-1	=	82	% Wt	Yes
CARBON DIOXIDE	124-38-9	=	8	% Wt	Yes

## 3 HAZARDS IDENTIFICATION

#### Hazards Overview:

##### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist. EYE or SKIN contact with the product, vapor or spray mist.

#### Specific Hazards (Routes Of Exposure):

<u>Exposure Routes</u>	<u>Exposure Duration</u>	<u>Observation</u>
Eye contact	Acute	Irritation.
Skin Contact	Acute	Prolonged or repeated exposure may cause irritation.
Inhalation	Acute	Irritation of the upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

#### Effects Of Overexposure:

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### 3 HAZARDS IDENTIFICATION

#### Effects Of Overexposure:

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

#### Medical Conditions Aggravated By Exposure:

None generally recognized.

### 4 FIRST AID MEASURES

#### First Aid By::

Inhalation	If affected, remove from exposure. Restore breathing. Keep warm and quiet.
Skin Contact	Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
Eye Contact	Flush eyes with large amounts of water for 15 minutes. Get medical attention.
Ingestion	Do not induce vomiting. Get medical attention immediately.

### 5 FIRE FIGHTING MEASURES

#### Flash Point:

< 0 °F Propellant

#### Explosive Limits:

Upper Explosive Limit (UEL)	=	12.8
Lower Explosive Limit (LEL)	=	1

#### Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam.

#### Fire and Explosion Hazards:

Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

#### Special Fire Fighting Procedures:

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

### 6 ACCIDENTAL RELEASE MEASURES

#### SPILL OR LEAK PROCEDURES

##### Recovery:

Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

### 7 HANDLING AND STORAGE

#### HANDLING

##### Safe Handling Procedures:

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures

#### STORAGE

##### Storage Conditions:

STORAGE CATEGORY

Not Available

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot

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**7 HANDLING AND STORAGE**

**STORAGE**

**Storage Conditions:**

water,  
and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Measures:**

Ventilation: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**EXPOSURE LIMITS**

**Limit Values:**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Type</u>	<u>Value</u>	<u>Specification</u>	<u>Source</u>
HEPTANE	142-82-5	PEL- TWA	500ppm	-	OSHA - Permissible Exposure Limits (PELs)
HEPTANE	142-82-5	GM OEG -TWA	400ppm	-	GM Occupational Exposure Guidelines (OEG)
HEPTANE	142-82-5	GM OEG -STEL	500ppm	-	GM Occupational Exposure Guidelines (OEG)
HEPTANE	142-82-5	TLV- TWA	400ppm	-	Threshold Limit Values (TLVs) - ACGIH
HEPTANE	142-82-5	TLV- STEL	500ppm	-	Threshold Limit Values (TLVs) - ACGIH
HEPTANE	142-82-5	State- TWA	400ppm	-	MICHIGAN
HEPTANE	142-82-5	State- STEL	500ppm	-	MICHIGAN
HEPTANE	142-82-5	State- TWA	400ppm	-	NEW YORK
HEPTANE	142-82-5	State- STEL	500ppm	-	NEW YORK
HEPTANE	142-82-5	State- TWA	400ppm	-	TENNESSEE
HEPTANE	142-82-5	State- STEL	500ppm	-	TENNESSEE
ACETONE	67-64-1	GM OEG -STEL	750ppm	-	GM Occupational Exposure Guidelines (OEG)
ACETONE	67-64-1	TLV- TWA	500ppm	-	Threshold Limit Values (TLVs) - ACGIH
ACETONE	67-64-1	TLV- STEL	750ppm	-	Threshold Limit Values (TLVs) - ACGIH
ACETONE	67-64-1	State-			MICHIGAN

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### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### EXPOSURE LIMITS

##### Limit Values:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Type</u>	<u>Value</u>	<u>Specification</u>	<u>Source</u>
ACETONE	67-64-1	TWA	750ppm	-	
ACETONE	67-64-1	State- STEL	1000ppm	-	MICHIGAN
ACETONE	67-64-1	State- TWA	750ppm	-	NEW YORK
ACETONE	67-64-1	State- STEL	1000ppm	-	NEW YORK
ACETONE	67-64-1	State- TWA	750ppm	-	TENNESSEE
ACETONE	67-64-1	State- STEL	1000ppm	-	TENNESSEE
ACETONE	67-64-1	PEL- TWA	1000ppm	-	OSHA - Permissible Exposure Limits (PELs)
ACETONE	67-64-1	GM OEG -TWA	500ppm	-	GM Occupational Exposure Guidelines (OEG)
CARBON DIOXIDE	124-38-9	PEL- TWA	5000ppm	-	OSHA - Permissible Exposure Limits (PELs)
CARBON DIOXIDE	124-38-9	GM OEG -TWA	5000ppm	-	GM Occupational Exposure Guidelines (OEG)
CARBON DIOXIDE	124-38-9	GM OEG -STEL	30000ppm	-	GM Occupational Exposure Guidelines (OEG)
CARBON DIOXIDE	124-38-9	TLV- TWA	5000ppm	-	Threshold Limit Values (TLVs) - ACGIH
CARBON DIOXIDE	124-38-9	TLV- STEL	30000ppm	-	Threshold Limit Values (TLVs) - ACGIH
CARBON DIOXIDE	124-38-9	State- TWA	10000ppm	-	MICHIGAN
CARBON DIOXIDE	124-38-9	State- STEL	30000ppm	-	MICHIGAN
CARBON DIOXIDE	124-38-9	State- TWA	10000ppm	-	NEW YORK
CARBON DIOXIDE	124-38-9	State- STEL	30000ppm	-	NEW YORK
CARBON DIOXIDE	124-38-9	State- TWA	10000ppm	-	TENNESSEE
CARBON DIOXIDE	124-38-9	State- STEL	30000ppm	-	TENNESSEE

#### PERSONAL PROTECTIVE EQUIPMENT

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### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

##### Personal Protective Equipment (PPE):

Respiratory Protection If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA.  
Eye Protection Wear safety spectacles with unperforated sideshields.  
Hand Protection None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

##### Hygiene Measures:

Wash hands after using.

##### Special Precautions:

Use only with adequate ventilation.  
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

##### OTHER PRECAUTIONS

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

### 9 PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE

**Physical State:** Aerosol

#### PHYSICAL PROPERTIES

##### Changes of State:

Melting/Freezing Point	Not Available	Melting point
Boiling Point	Range < 0 - 238 °F	

##### Vapor Density:

Heavier than air

##### Evaporation Rate:

Faster than ether

##### Specific Gravity:

= 0.80

##### Solubility:

Water Not Available

##### VOC:

VOC	=	10.00	'%	VOC Theoretical- As Packaged Less water and federally exempt solvents.
VOC	=	6.62	lb/gal	(792 g/l)
VOC	=	100	% Wt	Coating Density (100 % by vol)
VOC	=	8	% Wt	Total Volatiles Carbon Dioxide (6.2 % by vol)
VOC	=	0	% Wt	Non-organic volatiles. Water (0 % by vol)
VOC	=	82	% Wt	Federally exempt solvents Acetone (82.3 % by vol)
VOC	=	10	% Wt	Federally exempt solvents (11.4 % by vol)
VOC	=	0	% Wt	Organic Volatiles (0 % by vol)
				Percent Non-volatile

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

#### PHYSICAL PROPERTIES

##### VOC:

VOC	=	0.66	lb/gal	(79 g/l) Total VOC Content
VOC	=	3.74	lb/gal	(449g/l) less exempt solvents VOC Content
VOC	=	0	lb/gal	(0 g/l) of solids VOC Content
VOC	=			0 lb/lb (0 kg/kg) of solids VOC Content
VOC	=	10	% Wt	VOC content

##### Total Amount Of::

Percent Volatile by Volume	=	100	'%'
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### 10 STABILITY AND REACTIVITY

#### STABILITY INFORMATION

##### Conditions to Avoid:

None known.

##### Incompatible Materials:

None known.

##### Hazardous Polymerization:

Will not occur.

#### HAZARDOUS DECOMPOSITION

##### Reactions:

<u>Type of Reaction</u>	<u>Reaction Products</u>
Decomposition	HAZARDOUS DECOMPOSITION PRODUCTS By fire: Carbon Dioxide, Carbon Monoxide.

### 11 TOXICOLOGICAL INFORMATION

#### OCCUPATIONAL EXPERIENCES

##### Health Effects:

##### CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

#### SCIENTIFIC OBSERVATIONS

##### LETHAL LIMIT VALUES

##### Additional Information:

(142-82-5) Heptane

LC50 RAT 4HR: Not Available

LD50 RAT: Not Available

(67-64-1) Acetone

LC50 RAT 4HR: Not Available

LD50 RAT: 5800 mg/kg

(124-38-9) Carbon Dioxide

LC50 RAT 4HR: Not Available

LD50 RAT: Not Available

#### CLASSIFICATION OF INGREDIENTS

##### Carcinogenicity:

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### 11 TOXICOLOGICAL INFORMATION

#### CLASSIFICATION OF INGREDIENTS

**Carcinogenicity:**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause.

**Reproductive Effects:**

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause birth defects or other reproductive harm.

### 12 ECOLOGICAL INFORMATION

#### ENVIRONMENTAL IMPACT

**Comment:**

No data available.

#### ECOTOXICITY

**Comment:**

No data available.

### 13 DISPOSAL CONSIDERATIONS

**Waste Disposal Information:**

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

### 14 TRANSPORT INFORMATION

**DOT Information:**

May be classed as Consumer Commodity, ORM-D

**DOT Shipping Name:**

AEROSOLS, LIMITED QUANTITY, (ERG#126)

**DOT Hazard Class:**

2.1

**DOT UN Code:**

UN1950

**Comment:**

IMO

May be shipped as Limited Quantity

UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EmS F-D, S-U, ADR (D)

### 15 REGULATORY INFORMATION

#### LABELLING

**Hazard Codes:**

NFPA Health 1

NFPA Flammability 3

NFPA Reactivity 0

HMIS Health 1

HMIS Flammability 3

HMIS Reactivity 0

**Comment:**

NFPA assigned by General Motors Technical Review.

#### NATIONAL REGULATIONS

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### 15 REGULATORY INFORMATION

#### NATIONAL REGULATIONS

**SARA 311/312:** No

**SARA 313:** No

**Immediate Health:** No

**Delayed Health:** No

**Fire:** No

**Sudden Pressure Release:** No

**Reactive:** No

**Other Regulation:**

SARA 313

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

TSCA

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

#### STATE/LOCAL REGULATIONS

**Comment:**

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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### 16 OTHER INFORMATION

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