Manufacturer: SHERWIN-WILLIAMS COMPANY

HMCS ID: 356796

SUC:

02 - Solvents - Flashpoint < 100 F

# **MATERIAL SAFETY DATA** SHEET

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### PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT INFORMATION

Product Name: 89021939 ENGINE LOW GLOSS BLACK

**External Kevs:** 

89021939 Distributable Material (Part #)

**ENGINE** Primary Tradename - Distributable Material

**ENAMEL** PAINT LOW **GLOSS BLACK** 

### MANUFACTURER INFORMATION

**Manufacturer: SHERWIN-WILLIAMS COMPANY** 

Address:

101 PROSPECT AVENUE **USA** OHIO 44115 **CLEVELAND MAILING** 

N.W.

Phone

**Communication Lines:** 

**EMERGENCY** 216-566-2917 Phone Phone 216-566-2902 Information

Phone 800-247-3270 Information - Duplicolor Products Group Information - Diversified Brands Phone 800-247-3266 Information - Krylon Products Group Phone 800-832-2541

### 2 **INGREDIENT INFORMATION**

800-251-2486

### **FORMULATION**

**Ingredients:** 

Chemical Name	CAS Number	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<b>Exposure</b>
					<u>Limits</u>
ACETONE	67-64-1	=	42	%Wt	Yes
PROPANE	74-98-6	=	15	%Wt	Yes
BUTANE	106-97-8	=	14	%Wt	No
TOLUENE	108-88-3	=	13	%Wt	Yes
PROPIONIC ACID, 3-ETHOXY-,	763-69-9	=	2	%Wt	No
ETHYL ESTER					
CARBON BLACK	1333-86-4	=	0.4	%Wt	Yes
TALC (powder), containing no asbestos fibers	14807-96-6	=	6	%Wt	Yes
Soybean oil, polymer with ethylene glycol, glycerol and phthalic anhydride	67700-77-0	=	6	%Wt	No
QUATERNARY AMMONIUM COMPOUNDS, BIS(HYDROGENATED TALLOW ALKYL)DIMETHYL-, salt with BENTONITE	68953-58-2	<	1	%Wt	No

Information - Consumer Group Industrial

### HAZARDS IDENTIFICATION

**Hazards Overview:** 

Skin Primary Entry: Yes. Eye Primary Entry: Yes. Inhalation Primary Entry: Yes. Ingestion Primary Entry: Yes.

Specific Hazards:

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):

**Exposure Routes Exposure Duration** Observation

EFFECTS OF OVEREXPOSURE: PROLONGED Skin Contact General

OR REPEATED EXPOSURE MAY CAUSE IRRITATION. SIGNS AND SYMPTOMS OF OVEREXPOSURE: REDNESS AND ITCHING OR BURNING SENSATION MAY INDICATE

EXCESSIVE SKIN EXPOSURE.

Eye Contact EFFECTS OF OVEREXPOSURE: IRRITATION. General

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**Exposure Routes Exposure Duration** Observation

General

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

REDNESS AND ITCHING OR BURNING

SENSATION MAY INDICATE EYE EXPOSURE. EFFECTS OF OVEREXPOSURE: IRRITATION

OF THE UPPER RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH.

**Medical Conditions Aggravated By Exposure:** 

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE GENERALLY RECOGNIZED.

### **Comment:**

Inhalation

Additional Health Hazard Data: SIGNS AND SYMPTOMS OF OVEREXPOSURE: HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS OTHER PRECAUTIONS: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL.CHRONIC HEALTH HAZARDS: PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS IN SECTION 2 MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY, AND CARDIOVASCULAR SYSTEMS.REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

### **FIRST AID MEASURES**

First Aid By::

Inhalation IF AFFECTED, REMOVE FROM EXPOSURE, RESTORE BREATHING, KEEP WARM AND QUIET.

WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER, REMOVE CONTAMINATED Skin Contact

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.

### **FIRE FIGHTING MEASURES**

### Flash Point:

Flash Point Text:PROPELLANT < 0 F.

### **Explosive Limits:**

Upper Explosive Limit 12.8

(UEL)

Lower Explosive Limit

(LEL)

### **Extinguishing Media:**

CARBON DIOXIDE, DRY CHEMICAL, FOAM.

### Fire and Explosion Hazards:

UNUSUAL 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:**

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.

### **Comment:**

NFPA ASSIGNED BY GENERAL MOTORS TECHNICAL REVIEW.HAZARDOUS DECOMPOSITION PRODUCT: BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE, HMIS CODES: HEALTH: 2\*.

#### 6 **ACCIDENTAL RELEASE MEASURES**

### Comment:

Spill or Leak Procedures: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. VENTILATE THE AREA. REMOVE WITH INERT ABSORBENT.

### HANDLING AND STORAGE

### **STORAGE**

### **Additional Information on Storage Conditions:**

Precautions to be Taken in Handling and Storage: STORAGE CATEGORY: NOT AVAILABLE PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. VAPORS WILL ACCUMULATE READILY AND MAY IGNITE EXPLOSIVELY.DURING USE AND UNTIL ALL VAPORS ARE GONE: KEEP AREA VENTILATED. DO NOT SMOKE. EXTINGUISH ALL FLAMES. PILOT LIGHTS, AND HEATERS. TURN OFF STOVES.

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ELECTRIC TOOLS AND APPLIANCES, AND ANY OTHER SOURCES OF IGNITION. CONSULT NFPA CODE. USE APPROVED BONDING AND GROUNDING PROCEDURES. CONTENTS UNDER PRESSURE. DO NOT PUNCUTRE, INCINERATE, OR EXPOSE TO TEMPERATURES ABOVE 120F. HEAT FROM SUNLIGHT, RADIATORS, STOVES, HOT WATER, AND OTHER HEAT SOURCES COULD CAUSE CONTAINER TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.PRECAUTIONS TO BE TAKEN IN USE: USE ONLY WITH ADEQUATE VENTILATION. AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING VAPOR AND SPRAY MIST. WASH HANDS AFTER USING.THIS COATING MAY CONTAIN MATERIALS CLASSIFIED AS NUISANCE PARTICULATES WHICH MAY BE PRESENT AT HAZARDOUS LEVELS ONLY DURING SANDING OR ABRADING OF THE DRIED FILM. IF NO SPECIFIC DUSTS ARE LISTED IN SECTION 2, THE APPLICABLE LIMITS FOR NUISANCE DUSTS ARE ACGIH TLV 10 MG/M3 (TOTAL DUST), 3 MG/M3 (RESPIRABLE FRACTION).

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Engineering Measures:**

Engineering Controls: 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>	CAS Number	<u>Type</u>	<u>Value</u>	Specificati on	Source
ACETONE	67-64-1	PEL-T WA	1000ppm	<del>-</del>	OSHA - Permissible Exposure Limits (PELs)
ACETONE	67-64-1	GM OEG- TWA	750ppm	-	Threshold Limit Values (TLVs) - ACGIH
ACETONE	67-64-1	GM OEG- STEL	1000ppm	-	Threshold Limit Values (TLVs) - ACGIH
ACETONE	67-64-1	TLV- TWA	500ppm	-	GM Occupational Exposure Guidelines (OEG)
ACETONE	67-64-1	TLV- STEL	750ppm	-	GM Occupational Exposure Guidelines (OEG)
ACETONE	67-64-1	State- TWA	750ppm	-	MICHIGAN
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
PROPANE	74-98-6	PEL-T WA	1000ppm	-	OSHA - Permissible Exposure Limits (PELs)
PROPANE	74-98-6	GM OEG- TWA	1000ppm	-	Threshold Limit Values

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Chemical Name	CAS Number	<u>Type</u>	<u>Value</u>	Specificati on	<u>Source</u>
PROPANE	74-98-6	TLV- TWA	2500ppm	-	(TLVs) - ACGIH GM Occupational Exposure Guidelines
PROPANE	74-98-6	State- TWA	1000ppm	-	(OEG) MICHIGAN
PROPANE	74-98-6	State- TWA	1000ppm	-	NEW YORK
PROPANE	74-98-6	State- TWA	1000ppm	-	TENNESSEE
TOLUENE	108-88-3	PEL-T WA	200ppm	-	OSHA - Permissible Exposure Limits (PELs)
TOLUENE	108-88-3	PEL-C eiling	300ppm	-	OSHA - Permissible Exposure Limits (PELs)
TOLUENE	108-88-3	GM OEG- TWA	100ppm	-	Threshold Limit Values (TLVs) - ACGIH
TOLUENE	108-88-3	GM OEG- STEL	150ppm	-	Threshold Limit Values (TLVs) - ACGIH
TOLUENE	108-88-3	TLV- TWA	50ppm	-	GM Occupational Exposure Guidelines (OEG)
TOLUENE	108-88-3	State- TWA	100ppm	-	MICHIGAN
TOLUENE	108-88-3	State- STEL	150ppm	-	MICHIGAN
TOLUENE	108-88-3	State- TWA	100ppm	-	NEW YORK
TOLUENE	108-88-3	State- STEL	150ppm	-	NEW YORK
TOLUENE	108-88-3	State- TWA	100ppm	-	TENNESSEE
TOLUENE	108-88-3	State- STEL	150ppm	-	TENNESSEE
CARBON BLACK	1333-86-4	PEL-T WA	3.5mg/m3	-	OSHA - Permissible Exposure Limits (PELs)
CARBON BLACK	1333-86-4	GM OEG- TWA	3.5mg/m3	-	Threshold Limit Values (TLVs) - ACGIH
CARBON BLACK	1333-86-4	TLV- TWA	3.5mg/m3	-	GM Occupational Exposure Guidelines (OEG)
CARBON BLACK	1333-86-4	State- TWA	3.5mg/m3	-	MICHIGAN

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<u>Chemical Name</u>	CAS Number	<u>Type</u>	<u>Value</u>	<u>Specificati</u>	<u>Source</u>
				<u>on</u>	
CARBON BLACK	1333-86-4	State-	3.5mg/m3	-	NEW YORK
		TWA			
CARBON BLACK	1333-86-4	State-	3.5mg/m3	-	TENNESSEE
		TWA			
TALC (powder), containing no	14807-96-6	TLV-	2mg/m3	-	GM
asbestos fibers		TWA			Occupational
					Exposure
					Guidelines

### PERSONAL PROTECTIVE EQUIPMENT

**Personal Protective Equipment (PPE):** 

Eye Protection WEAR SAFETY SPECTACLES WITH

UNPERFORATED SIDESHIELDS.

Respiratory IF PERSONAL EXPOSURE CANNOT BE

Protection CONTROLLED BELOW APPLICABLE LIMITS BY

VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION 2. WHEN SANDING OR ABRADING THE DRIED FILM, WEAR

A DUST/MIST RESPIRATOR APPROVED BY NIOSH/MSHA FOR DUST WHICH MAY BE

GENERATED FROM THIS PRODUCT, UNDERLYING

PAINT, OR THE ABRASIVE.

Hand Protection NONE REQUIRED FOR NORMAL APPLICATION OR

AEROSOL PRODUCTS WHERE MINIMAL SKIN CONTACT IS EXPECTED. FOR LONG OR REPEATED CONTACT, WEAR CHEMICAL RESISTANT GLOVES.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** 

Physical State: Physical State: Liquid.

**PHYSICAL PROPERTIES** 

**Changes of State:** 

Boiling Point < -18 - 172 C <0-342F, <-18-172C. Boiling Point < 342 F <0-342F, <-18-172C.

Melting/Freezing Point MELTING POINT: NOT AVAILABLE.

**Vapor Pressure:** 

(74-98-6) 760 MM. (106-97-8) 760 MM. (108-88-3) 22 MM. (67-64-1) 180 MM. (763-69-9) 1.11 MM.

Vapor Density:

HEAVIER THAN AIR.

**Evaporation Rate:** 

FASTER THAN ETHER.

**Density:** 

Density = 6.25 lb/gal Density Text:PRODUCT WEIGHT 748 G/L.

Specific Gravity:

= 0.75

**Solubility:** 

Water Solubility in Water Text:N.A.

VOC:

VOC 2.77 lb/gal

Theoretical VOC (by. 2.77

wt.)

**Total Amount Of::** 

Percent Volatile by Volume = 93

**Comment:** 

LBS/GAL VOC WAS CONVERTED FROM MSDS VALUE BY GENERAL MOTORS TECHNICAL REVIEW. VOLATILE

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ORGANIC COMPOUNDS (VOC THEORETICAL): VOLATILE WEIGHT 44.31% LESS WATER AND FEDERALLY EXEMPT SOLVENTS.

### 10 STABILITY AND REACTIVITY

### STABILITY INFORMATION

Stability Under Normal Conditions: Stable

**Conditions to Avoid:** NONE KNOWN.

**Incompatible Materials:** 

NONE KNOWN.

**Hazardous Polymerization:** 

Hazardous Polymerization: None. Hazardous Polymerization Text: WILL NOT OCCUR.

### HAZARDOUS DECOMPOSITION

**Reactions:** 

Type of Reaction Reaction Products

Decomposition BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE.

**Comment:** 

Stability Text: STABLE.

### 11 TOXICOLOGICAL INFORMATION

### **CLASSIFICATION OF INGREDIENTS**

### Carcingenicity:

CHRONIC HEALTH HAZARDS: (1333-86-4) IS CLASSIFIED BY IARC AS POSSIBLY CARCINOGEN TO HUMANS (GROUP 2B) BASED ON EXPERIMENTAL ANIMAL DATA, HOWEVER, THERE IS INSUFFICIENT EVIDENCE IN HUMANS FOR ITS CARCINOGENICITY. CALIFORNIA PROPOSITION 65: WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

## **Reproductive Effects:**

CHRONIC HEALTH HAZARDS: PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS IN SECTION 2 MAY CAUSE ADVERSE EFFECTS TO THE REPRODUCTIVE SYSTEM.CALIFORNIA PROPOSITION 65: WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

### **Comment:**

Toxicological Data Unlimited Text: TOXICOLOGY DATA:(74-98-6): LC50, RAT, 4 HR, NOT AVAILABLE. LD50, RAT, NOT AVAILABLE. LD50, RAT, 4 HR, NOT AVAILABLE. LD50, RAT, 4 HR, NOT AVAILABLE.(108-88-3): LC50, RAT, 4 HR, 4000 PPM. LD50, RAT, 5000 MG/KG.(67-64-1): LC50, RAT, 4 HR, NOT AVAILABLE. LD50, RAT, 5800 MG/KG.(763-69-9): LC50, RAT, 4 HR, NOT AVAILABLE. LD50, RAT, NOT AVAILABLE.

### 12 ECOLOGICAL INFORMATION

### **ENVIRONMENTAL IMPACT**

**Comment:** 

ECOTOXICOLOGICAL INFORMATION: 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

**Comment:** 

NO DATA AVAILABLE.

### 15 REGULATORY INFORMATION

### **LABELLING**

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HMIS Reactivity	U
HMIS Health	2
HMIS Flammability	4
NFPA Flammability	4
NFPA Health	2

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NFPA Reactivity

0

### **NATIONAL REGULATIONS**

Immediate Health: Yes Delayed Health: Yes

Fire: No

Sudden Pressure Release: No

**Reactive:** No **Comment:** 

RCRA Hazardous Waste Number Text: 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.

### **Comment:**

SARA 311/312 ASSIGNED BY GENERAL MOTORS TECHNICAL REVIEW.THIS DOCUMENT IS PROVIDED TO MEET SPECIFIC REGULATORY OR CUSTOMER REQUIREMENTS. IT CONTAINS ADDITIONAL COMPOSITION INFORMATION BEYOND THAT REQUIRED BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) AND OTHER FEDERAL REGULATIONS.SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION: (108-88-3) 13% BY WT.CALIFORNIA PROPOSITION 65: WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.TSCA CERTIFICATION: ALL CHEMICALS IN THIS PRODUCT ARE LISTED, OR ARE EXEMPT FROM LISTING, ON THE TSCA INVENTORY.OTHER INFORMATION: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

## **16 OTHER INFORMATION**