

# SAFETY DATA SHEET

Prepared in accordance with Regulation (EC) No 1907/2006, Annex II.

JETFLEX  
2010

DATE OF PREPARATION  
Jan 4, 2010

## 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

### IDENTIFICATION OF THE PREPARATION

E09-, L09;-  
JET FLEX® Interior Aircraft Finish

### USE OF THE PREPARATION

Paint

### COMPANY IDENTIFICATION

THE SHERWIN-WILLIAMS COMPANY  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

### EMERGENCY TELEPHONE

<b>Regulatory Information</b>	(216) 566-2902
<b>Medical Emergency</b>	(216) 566-2917
<b>Transportation Emergency*</b>	(800) 424-9300

*\*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)*

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

F, T, N, R61, R11, R65, R36/38, R48/20, R50, R67

### ROUTES OF EXPOSURE

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

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation.  
**SKIN:** Prolonged or repeated exposure may cause irritation.  
**INHALATION:** Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.  
Prolonged overexposure to solvent ingredients in Section 3 may cause adverse effects to the liver, urinary, blood forming, cardiovascular and reproductive systems.

### SIGNS AND SYMPTOMS 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

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.  
Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	EC Number	EC CLASSIFICATION
3 - 5	108-88-3 Toluene	203-625-9	F;R11 Repr.Cat.3;R63 Xn;R48/20-65 Xi;R38 R67
<1	100-41-4 Ethylbenzene	202-849-4	F;R11 Xn;R20
1	1330-20-7 Xylene	215-535-7	R10 Xn;R20/21 Xi;R38
2 - 4	67-63-0 2-Propanol	200-661-7	F;R11 Xi;R36 R67
9 - 15	78-93-3 Methyl Ethyl Ketone	201-159-0	F;R11 Xi;R36 R66 R67
8 - 15	108-94-1 Cyclohexanone	203-631-1	R10 Xn;R20
0 - 1	108-21-4 Isopropyl Acetate	203-561-1	F;R11 Xi;R36 R66 R67
17 - 28	123-86-4 n-Butyl Acetate	204-658-1	R10 R66 R67
4 - 11	108-65-6 1-Methoxy-2-Propanol Acetate	203-603-9	R10 Xi;R36
<1	84-74-2 Dibutyl Phthalate	201-557-4	Repr.Cat.2;R61 Repr.Cat.3;R62 N;R50
<5	112926-00-8 Amorphous Precipitated Silica		
<10	14807-96-6 Talc		

#### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

### 4. FIRST-AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.  
Remove contaminated clothing and laundry before re-use.

**INHALATION:** If any breathing problems occur during use, **LEAVE THE AREA** and get fresh air. If problems remain or occur later, **IMMEDIATELY** get medical attention.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

### 5. FIRE-FIGHTING MEASURES

#### FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 38 °C (100 °F)

#### SUITABLE EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

#### SPECIAL FIRE AND EXPLOSION HAZARDS

Closed 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

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

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

### 7. HANDLING AND STORAGE

#### HANDLING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

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

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PRECAUTIONS TO BE TAKEN IN USE

**NO PERSON SHOULD USE THIS PRODUCT, OR BE IN THE AREA WHERE IT IS BEING USED, IF THEY HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCYANATES.**

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 (listed "as Dust" in Section 3) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 3, the applicable limits for nuisance dusts are

ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

#### EXPOSURE LIMITS

CAS Number	Ingredient	Units	Vapor Pressure
108-88-3	<b>Toluene</b> ACGIH TLV	20 PPM	22 mm
100-41-4	<b>Ethylbenzene</b> ACGIH TLV ACGIH TLV	100 PPM 125 PPM STEL	7.1 mm
1330-20-7	<b>Xylene</b> ACGIH TLV ACGIH TLV	100 PPM 150 PPM STEL	5.9 mm
67-63-0	<b>2-Propanol</b> ACGIH TLV ACGIH TLV	200 PPM 400 PPM STEL	33 mm
78-93-3	<b>Methyl Ethyl Ketone</b> ACGIH TLV ACGIH TLV	200 PPM 300 PPM STEL	70 mm
108-94-1	<b>Cyclohexanone</b> ACGIH TLV	25 PPM (Skin)	2 mm
108-21-4	<b>Isopropyl Acetate</b> ACGIH TLV ACGIH TLV	250 PPM 310 PPM STEL	47.5 mm
123-86-4	<b>n-Butyl Acetate</b> ACGIH TLV ACGIH TLV	150 PPM 200 PPM STEL	10 mm
108-65-6	<b>1-Methoxy-2-Propanol Acetate</b> ACGIH TLV	Not Available	1.8 mm
112926-00-8	<b>Amorphous Precipitated Silica</b> ACGIH TLV	10 mg/m <sup>3</sup> as Dust	
14807-96-6	<b>Talc</b> ACGIH TLV	2 mg/m <sup>3</sup> as Resp. Dust	

#### OCCUPATIONAL EXPOSURE CONTROLS

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 3 is maintained below applicable exposure limits.

#### RESPIRATORY PROTECTION

Where overspray is present, a positive pressure air supplied respirator (TC19C NIOSH/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 3 may be effective. Follow respirator manufacturers directions for use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. **NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS.**

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

To prevent skin contact, wear gloves which are recommended by glove supplier for protection against materials in Section 3.

#### EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

#### OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

#### OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

liquid

### ODOR

Paint

<b>PRODUCT WEIGHT</b>	960 - 1320 g/l	8 - 11 lb/gal
<b>SPECIFIC GRAVITY</b>	0.96 - 1.32	
<b>FLASH POINT</b>	-4 - 4 °C	(25 - 40 °F) TCC
<b>LOWER EXPLOSION LIMIT (LEL)</b>	1.0 %	
<b>UPPER EXPLOSION LIMIT (UEL)</b>	13.1 %	
<b>BOILING POINT</b>	78 - 160 °C	174 - 320 °F
<b>MELTING POINT</b>	Not Available	
<b>VOLATILE VOLUME</b>	70 - 80 %	
<b>EVAPORATION RATE</b>	Slower than ether	
<b>VAPOR DENSITY</b>	Heavier than air	
<b>SOLUBILITY IN WATER</b>	N.A.	

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable

### CONDITIONS TO AVOID

None known.

### MATERIALS TO AVOID

None known.

### HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

### HAZARDOUS POLYMERIZATION

Will not occur

## 11. TOXICOLOGICAL INFORMATION

### CHRONIC HEALTH HAZARDS

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

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

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY EFFECTS

Not Available

### MOBILITY

Not Available

### BIOACCUMULATIVE POTENTIAL

Not Available

### PERSISTENCE/DEGRADABILITY

Not Available

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD

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.

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

## 14. TRANSPORT INFORMATION

### US Ground (DOT)

UN1263, PAINT, 3, PG II, (ERG#128). DOT Ethylacetate 5000 lb RQ. Xylenes (isomers and mixture) 100 lb RQ

### Canada (TDG)

UN1263, PAINT, CLASS 3, PG II, (ERG#128)

### IMO

UN1263, PAINT, CLASS 3, PG II, (-4 C c.c.), EmS F-E, S-E, ADR (D/E)

### ADR

UN1263, PAINT, 3, PG II

## 15. REGULATORY INFORMATION

### LABELING

#### HAZARD SYMBOL



Highly flammable



Toxic



Dangerous for the environment

#### R – PHRASES

- R11** Highly flammable.
- R36/38** Irritating to eyes and skin.
- R48/20** Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R50** Very toxic to aquatic organisms.
- R61** May cause harm to the unborn child.
- R65** Harmful: may cause lung damage if swallowed.
- R67** Vapours may cause drowsiness and dizziness.

#### S – PHRASES

- S16** Keep away from sources of ignition - No smoking.
- S2** Keep out of the reach of children.
- S24/25** Avoid contact with skin and eyes.
- S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S46** If swallowed, seek medical advice immediately and show this container or label.
- S7/9** Keep container tightly closed and in a well-ventilated place.

#### TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## 16. OTHER INFORMATION

### FULL TEXT OF R – PHRASES REFERENCED IN SECTION 3.

- R10** Flammable.
- R11** Highly flammable.
- R20** Harmful by inhalation.
- R20/21** Harmful by inhalation and in contact with skin.
- R36** Irritating to eyes.
- R38** Irritating to skin.
- R48/20** Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R50** Very toxic to aquatic organisms.
- R61** May cause harm to the unborn child.
- R62** Possible risk of impaired fertility.
- R63** Possible risk of harm to the unborn child.
- R65** Harmful: may cause lung damage if swallowed.
- R66** Repeated exposure may cause skin dryness or cracking.
- R67** Vapours may cause drowsiness and dizziness.

This Safety Data Sheet is prepared in accordance with Regulation (EC) No 1907/2006, Annex II.

**The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.**