

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

### SECTION 1. IDENTIFICATION

Product name : 954G-303 ONE COAT BLACK

Product code : D14870873

SDS-Identcode : 130000127971

#### Manufacturer or supplier's details

Company name of supplier : The Chemours Company FC, LLC

Address : 1007 Market Street  
Wilmington, DE 19801 United States of America (USA)

Telephone : 1-844-773-CHEM (outside the U.S. 1-302-773-1000)

Emergency telephone : Medical emergency: 1-866-595-1473 (outside the U.S. 1-302-773-2000) ; Transport emergency: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

#### Recommended use of the chemical and restrictions on use

Recommended use : Coatings

Restrictions on use : For professional users only.  
Do not use or resell Chemours™ materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless agreed to by Seller in a written agreement covering such use. For further information, please contact your Chemours representative.

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Flammable liquids : Category 3

Skin irritation : Category 2

Serious eye damage : Category 1

Skin sensitization : Category 1

Carcinogenicity : Category 1B

Specific target organ toxicity - single exposure : Category 3

Specific target organ toxicity - repeated exposure : Category 2 (Auditory system)

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

### GHS label elements

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H226 Flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H350 May cause cancer.  
H373 May cause damage to organs (Auditory system) through prolonged or repeated exposure.

Precautionary Statements

: **Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe mist or vapors.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

The thermal decomposition vapors of fluorinated plastics may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.  
Vapors may form explosive mixture with air.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Isobutyl methyl ketone	108-10-1	>= 20 - < 30
Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200)	25068-38-6	>= 10 - < 20
2-(2-Butoxyethoxy)ethanol	112-34-5	>= 10 - < 20
Diacetone alcohol	123-42-2	>= 5 - < 10
Xylene	1330-20-7	>= 1 - < 5
Butan-1-ol	71-36-3	>= 1 - < 5
Carbon black	1333-86-4	>= 1 - < 5
Ethylbenzene	100-41-4	>= 1 - < 5
Formaldehyde	50-00-0	>= 0.1 - < 0.2

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
Get medical attention.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If easy to do, remove contact lens, if worn.

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

- Get medical attention immediately.
- If swallowed : If swallowed, DO NOT induce vomiting.  
If vomiting occurs have person lean forward.  
Call a physician or poison control center immediately.  
Rinse mouth thoroughly with water.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
May cause respiratory irritation.  
May cause cancer.  
May cause damage to organs through prolonged or repeated exposure.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
- Notes to physician : Treat symptomatically and supportively.
- 

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.  
Flash back possible over considerable distance.  
Vapors may form explosive mixtures with air.  
Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides  
Hydrogen fluoride  
carbonyl fluoride  
potentially toxic fluorinated compounds  
aerosolized particulates  
Chlorine compounds  
Formaldehyde  
Nitrogen oxides (NO<sub>x</sub>)
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.
-

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
- Environmental precautions : Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.
- 

### SECTION 7. HANDLING AND STORAGE

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : If sufficient ventilation is unavailable, use with local exhaust ventilation. If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.
- Advice on safe handling : Do not get on skin or clothing. Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
-

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

Non-sparking tools should be used.  
Keep container tightly closed.  
Already sensitized individuals should consult their physician regarding working with respiratory irritants or sensitizers.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.  
Store locked up.  
Keep tightly closed.  
Keep in a cool, well-ventilated place.  
Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents  
Organic peroxides  
Flammable solids  
Pyrophoric liquids  
Pyrophoric solids  
Self-heating substances and mixtures  
Substances and mixtures which in contact with water emit flammable gases  
Explosives  
Gases

Recommended storage temperature : 41 - 77 °F / 5 - 25 °C

Further information on storage stability : Do not freeze.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Isobutyl methyl ketone	108-10-1	TWA	20 ppm	ACGIH
		STEL	75 ppm	ACGIH
		TWA	50 ppm 205 mg/m <sup>3</sup>	NIOSH REL
		ST	75 ppm 300 mg/m <sup>3</sup>	NIOSH REL
2-(2-Butoxyethoxy)ethanol	112-34-5	TWA	100 ppm 410 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable fraction and vapor)	10 ppm	ACGIH
Diacetone alcohol	123-42-2	TWA	50 ppm	ACGIH
		TWA	50 ppm	NIOSH REL

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
 Date of first issue: 02/27/2017

			240 mg/m <sup>3</sup>	
		TWA	50 ppm	OSHA Z-1
Xylene	1330-20-7	TWA	100 ppm 240 mg/m <sup>3</sup> 435 mg/m <sup>3</sup>	OSHA Z-1
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
Butan-1-ol	71-36-3	TWA	20 ppm	ACGIH
		C	50 ppm 150 mg/m <sup>3</sup>	NIOSH REL
		TWA	100 ppm 300 mg/m <sup>3</sup>	OSHA Z-1
Carbon black	1333-86-4	TWA (Inhalable fraction)	3 mg/m <sup>3</sup>	ACGIH
		TWA	3.5 mg/m <sup>3</sup>	NIOSH REL
		TWA	3.5 mg/m <sup>3</sup>	OSHA Z-1
Ethylbenzene	100-41-4	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA Z-1
		TWA	100 ppm 435 mg/m <sup>3</sup>	NIOSH REL
		ST	125 ppm 545 mg/m <sup>3</sup>	NIOSH REL
Formaldehyde	50-00-0	TWA	0.016 ppm	NIOSH REL
		C	0.1 ppm	NIOSH REL
		PEL	0.75 ppm	OSHA CARC
		STEL	2 ppm	OSHA CARC
		TWA	0.016 ppm (Formaldehyde)	NIOSH REL
		C	0.1 ppm (Formaldehyde)	NIOSH REL
		TWA	0.1 ppm	ACGIH
		STEL	0.3 ppm	ACGIH

**These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.**

Carbon black

### Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hydrofluoric acid	7664-39-3	TWA	3 ppm 2.5 mg/m <sup>3</sup>	NIOSH REL
		C	6 ppm 5 mg/m <sup>3</sup>	NIOSH REL
		TWA	3 ppm	OSHA Z-2
		TWA	0.5 ppm (Fluorine)	ACGIH
		C	2 ppm (Fluorine)	ACGIH
Carbonyl difluoride	353-50-4	TWA	2 ppm	ACGIH

**SAFETY DATA SHEET**



**954G-303 ONE COAT BLACK**

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
 Date of first issue: 02/27/2017

		STEL	5 ppm	ACGIH
		ST	5 ppm 15 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 ppm 5 mg/m <sup>3</sup>	NIOSH REL
Carbon dioxide	124-38-9	TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	NIOSH REL
		ST	30,000 ppm 54,000 mg/m <sup>3</sup>	NIOSH REL
Carbon monoxide	630-08-0	TWA	25 ppm	ACGIH
		TWA	35 ppm 40 mg/m <sup>3</sup>	NIOSH REL
		C	200 ppm 229 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm 55 mg/m <sup>3</sup>	OSHA Z-1
1-Propene, 1,1,3,3,3-pentafluoro-2-(trifluoromethyl)-	382-21-8	C	0.01 ppm	ACGIH
Formaldehyde	50-00-0	TWA	0.016 ppm	NIOSH REL
		C	0.1 ppm	NIOSH REL
		PEL	0.75 ppm	OSHA CARC
		STEL	2 ppm	OSHA CARC
		TWA	0.016 ppm (Formaldehyde)	NIOSH REL
		C	0.1 ppm (Formaldehyde)	NIOSH REL
		TWA	0.1 ppm	ACGIH
		STEL	0.3 ppm	ACGIH
Butan-1-ol	71-36-3	TWA	20 ppm	ACGIH
		C	50 ppm 150 mg/m <sup>3</sup>	NIOSH REL
		TWA	100 ppm 300 mg/m <sup>3</sup>	OSHA Z-1
2-Methyl-1-propanol	78-83-1	TWA	50 ppm	ACGIH
		TWA	50 ppm 150 mg/m <sup>3</sup>	NIOSH REL
		TWA	100 ppm 300 mg/m <sup>3</sup>	OSHA Z-1

**Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentra-tion	Basis
Isobutyl methyl ketone	108-10-1	methyl	Urine	End of	1 mg/l	ACGIH



# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
 Date of first issue: 02/27/2017

		isobutyl ketone		shift (As soon as possible after exposure ceases)		BEI
Xylene	1330-20-7	Methylhippuric acids	Urine	End of shift (As soon as possible after exposure ceases)	1.5 g/g creatinine	ACGIH BEI
Ethylbenzene	100-41-4	Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI

**Engineering measures** : Processing may form hazardous compounds (see section 10).  
 Minimize workplace exposure concentrations.  
 If sufficient ventilation is unavailable, use with local exhaust ventilation.  
 If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.

**Personal protective equipment**

**Respiratory protection** : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand protection**

**Material** : Chemical-resistant gloves

**Remarks** : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Take note that the

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

product is flammable, which may impact the selection of hand protection. Wash hands before breaks and at the end of workday.

Eye protection : Wear the following personal protective equipment:  
Chemical resistant goggles must be worn.  
If splashes are likely to occur, wear:  
Face-shield

Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Wear the following personal protective equipment:  
If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.  
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.  
When using do not eat, drink or smoke.  
Wash contaminated clothing before re-use.

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : black

Odor : No data available

Odor Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling range : > 117 °F / > 47 °C

Flash point : 79 °F / 26 °C  
Method: ISO 2719

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

Flammability (liquids) : Sustains combustion

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Density : 1.0700 g/cm<sup>3</sup>

Solubility(ies)  
Water solubility : No data available

Partition coefficient: n-octanol/water : Not applicable

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Particle size : Not applicable

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Flammable liquid and vapor.  
Vapors may form explosive mixture with air.  
Can react with strong oxidizing agents.  
Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Oxidizing agents

#### Hazardous decomposition products

Thermal decomposition : Hydrofluoric acid  
Carbonyl difluoride  
Carbon dioxide  
Carbon monoxide

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

1-Propene, 1,1,3,3,3-pentafluoro-2-(trifluoromethyl)-  
Formaldehyde  
Butan-1-ol  
2-Methyl-1-propanol

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Skin contact  
Ingestion  
Eye contact

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 3,731 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 33.5 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### Components:

##### Isobutyl methyl ketone:

Acute oral toxicity : LD50 (Rat): 2,080 mg/kg

Acute inhalation toxicity : LC50 (Rat): 11.6 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

##### Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 420  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

toxicity  
Remarks: Based on data from similar materials

### 2-(2-Butoxyethoxy)ethanol:

Acute oral toxicity : LD50 (Mouse): 2,410 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2,764 mg/kg

### Diacetone alcohol:

Acute oral toxicity : LD50 (Rat): 3,002 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 7.6 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

### Xylene:

Acute oral toxicity : LD50 (Rat): 3,523 mg/kg  
Method: Directive 67/548/EEC, Annex V, B.1.

Acute inhalation toxicity : LC50 (Rat): 27.571 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit): > 4,200 mg/kg

### Butan-1-ol:

Acute oral toxicity : LD50 (Rat): 790 mg/kg

Acute inhalation toxicity : LC0 (Rat): > 17.76 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit): 3,430 mg/kg

### Carbon black:

Acute oral toxicity : LD50 (Rat): > 10,000 mg/kg

### Ethylbenzene:

Acute oral toxicity : LD50 (Rat): 3,500 mg/kg

Acute inhalation toxicity : LC50 (Rat): 17.8 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

### Formaldehyde:

Acute oral toxicity : Acute toxicity estimate: 100 mg/kg

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Acute inhalation toxicity : Method: Expert judgment  
: Acute toxicity estimate: 100 ppm  
: Exposure time: 4 h  
: Test atmosphere: gas  
: Method: Expert judgment

Acute dermal toxicity : LD50 (Rabbit): 270 mg/kg

### **Skin corrosion/irritation**

Causes skin irritation.

### **Components:**

#### **Isobutyl methyl ketone:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

Assessment : Repeated exposure may cause skin dryness or cracking.  
Remarks : Based on harmonised classification in EU regulation  
1272/2008, Annex VI

### **Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):**

Result : Skin irritation

#### **2-(2-Butoxyethoxy)ethanol:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation

#### **Diacetone alcohol:**

Species : Rabbit  
Result : No skin irritation

#### **Xylene:**

Species : Rabbit  
Result : Skin irritation

#### **Butan-1-ol:**

Species : Rabbit  
Result : Skin irritation

#### **Carbon black:**

Species : Rabbit  
Result : No skin irritation

#### **Formaldehyde:**

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Corrosive after 3 minutes to 1 hour of exposure

### Serious eye damage/eye irritation

Causes serious eye damage.

#### Components:

##### Isobutyl methyl ketone:

Result : Irritation to eyes, reversing within 21 days

##### Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):

Result : Irritation to eyes, reversing within 21 days

##### 2-(2-Butoxyethoxy)ethanol:

Species : Rabbit  
Result : Irritation to eyes, reversing within 21 days

##### Diacetone alcohol:

Species : Rabbit  
Result : Irritation to eyes, reversing within 21 days  
Method : OECD Test Guideline 405

##### Xylene:

Species : Rabbit  
Result : Irritation to eyes, reversing within 21 days

##### Butan-1-ol:

Species : Rabbit  
Result : Irreversible effects on the eye  
Method : OECD Test Guideline 405

##### Carbon black:

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

##### Formaldehyde:

Species : Rabbit  
Result : Irreversible effects on the eye

### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

### Respiratory sensitization

Not classified based on available information.

### Components:

#### Isobutyl methyl ketone:

Test Type : Maximization Test  
Routes of exposure : Skin contact  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : negative

#### Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):

Test Type : Local lymph node assay (LLNA)  
Routes of exposure : Skin contact  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : positive  
Remarks : Based on data from similar materials

Assessment : Probability or evidence of skin sensitization in humans

#### 2-(2-Butoxyethoxy)ethanol:

Test Type : Maximization Test  
Routes of exposure : Skin contact  
Species : Guinea pig  
Result : negative

#### Diacetone alcohol:

Test Type : Maximization Test  
Routes of exposure : Skin contact  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : negative

#### Xylene:

Test Type : Local lymph node assay (LLNA)  
Routes of exposure : Skin contact  
Species : Mouse  
Result : negative

#### Butan-1-ol:

Test Type : Maximization Test  
Routes of exposure : Skin contact  
Species : Guinea pig  
Result : negative  
Remarks : Based on data from similar materials

#### Carbon black:

Test Type : Buehler Test



# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Routes of exposure : Skin contact  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : negative

### Formaldehyde:

Test Type : Local lymph node assay (LLNA)  
Routes of exposure : Skin contact  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : positive

Assessment : Probability or evidence of high skin sensitization rate in humans

### Germ cell mutagenicity

Not classified based on available information.

### Components:

#### Isobutyl methyl ketone:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
  
Test Type: Chromosome aberration test in vitro  
Result: negative  
  
Test Type: In vitro mammalian cell gene mutation test  
Result: equivocal  
  
Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)  
Result: negative  
  
Test Type: Saccharomyces cerevisiae, gene mutation assay (in vitro)  
Result: negative  
  
Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

#### Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
Remarks: Based on data from similar materials  
  
Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
Species: Mouse  
Application Route: Ingestion

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Result: negative  
Remarks: Based on data from similar materials

### 2-(2-Butoxyethoxy)ethanol:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Test Type: Chromosome aberration test in vitro  
Result: negative

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow  
cytogenetic test, chromosomal analysis)  
Species: Mouse  
Application Route: Ingestion  
Result: negative

### Diacetone alcohol:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negative

### Xylene:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Test Type: Chromosome aberration test in vitro  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Test Type: In vitro sister chromatid exchange assay in mam-  
malian cells  
Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
Species: Mouse  
Application Route: Skin contact  
Result: negative

### Butan-1-ol:

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Method: OECD Test Guideline 474  
Result: negative

### Carbon black:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

Test Type: In vitro sister chromatid exchange assay in mammalian cells  
Method: OECD Test Guideline 479  
Result: negative

Test Type: in vitro micronucleus test  
Method: OECD Test Guideline 487  
Result: negative

Genotoxicity in vivo : Test Type: Sex-linked recessive lethal test in *Drosophila melanogaster* (in vivo)  
Species: *Drosophila melanogaster* (vinegar fly)  
Application Route: Ingestion  
Method: OECD Test Guideline 477  
Result: negative

### Ethylbenzene:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative

Test Type: Chromosome aberration test in vitro  
Result: negative

Genotoxicity in vivo : Test Type: Unscheduled DNA synthesis (UDS) test with mammalian liver cells in vivo  
Species: Mouse  
Application Route: Inhalation  
Method: OECD Test Guideline 486  
Result: negative

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

### Formaldehyde:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: positive

Test Type: Chromosome aberration test in vitro  
Result: positive

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Species: Rat  
Application Route: Inhalation  
Result: positive

Germ cell mutagenicity - Assessment : Positive result(s) from in vivo mammalian somatic cell mutagenicity tests.

### Carcinogenicity

May cause cancer.

### Components:

#### Isobutyl methyl ketone:

Species : Rat  
Application Route : inhalation (vapor)  
Exposure time : 2 Years  
Method : OECD Test Guideline 451  
Result : positive  
Remarks : The mechanism or mode of action may not be relevant in humans.

Species : Mouse  
Application Route : inhalation (vapor)  
Exposure time : 2 Years  
Method : OECD Test Guideline 451  
Result : positive  
Remarks : The mechanism or mode of action may not be relevant in humans.

#### Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):

Species : Rat  
Application Route : Ingestion  
Exposure time : 24 month(s)  
Method : OECD Test Guideline 453  
Result : negative  
Remarks : Based on data from similar materials

### Xylene:

Species : Rat  
Application Route : Ingestion  
Exposure time : 103 weeks  
Result : negative

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

### Carbon black:

Species : Rat  
Application Route : Inhalation  
Exposure time : 24 Months  
Result : positive

Species : Rat  
Application Route : Ingestion  
Exposure time : 2 Years  
Result : negative

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

### Ethylbenzene:

Species : Rat  
Application Route : inhalation (vapor)  
Exposure time : 104 weeks  
Result : positive  
Remarks : The mechanism or mode of action may not be relevant in humans.

### Formaldehyde:

Species : Rat  
Application Route : inhalation (gas)  
Exposure time : 28 Months  
Result : positive

Carcinogenicity - Assessment : Sufficient evidence of carcinogenicity in animal experiments

<b>IARC</b>	Group 1: Carcinogenic to humans	
	Formaldehyde	50-00-0
	Group 2B: Possibly carcinogenic to humans	
	Isobutyl methyl ketone	108-10-1
	Group 2B: Possibly carcinogenic to humans	
<b>OSHA</b>	Carbon black	1333-86-4
	Group 2B: Possibly carcinogenic to humans	
<b>NTP</b>	Ethylbenzene	100-41-4
	OSHA specifically regulated carcinogen	

<b>OSHA</b>	Formaldehyde	50-00-0
-------------	--------------	---------

<b>NTP</b>	Known to be human carcinogen	
	Formaldehyde	50-00-0

### Reproductive toxicity

Not classified based on available information.

### Components:

#### Isobutyl methyl ketone:

Effects on fertility : Test Type: Two-generation reproduction toxicity study

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Species: Rat  
Application Route: inhalation (vapor)  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: inhalation (vapor)  
Result: negative

**Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 416  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 414  
Result: negative  
Remarks: Based on data from similar materials

**2-(2-Butoxyethoxy)ethanol:**

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 415  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

**Diacetone alcohol:**

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 414  
Result: negative

**Xylene:**

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapor)  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Application Route: inhalation (vapor)  
Result: negative

### Butan-1-ol:

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapor)  
Method: OECD Test Guideline 416  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative

### Carbon black:

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 414  
Result: negative

Test Type: Embryo-fetal development  
Species: Mouse  
Application Route: inhalation (dust/mist/fume)  
Result: negative

### Ethylbenzene:

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: inhalation (vapor)  
Method: OECD Test Guideline 416  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Inhalation  
Method: OECD Test Guideline 414  
Result: negative

### Formaldehyde:

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: inhalation (gas)  
Result: negative

### STOT-single exposure

May cause respiratory irritation.

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

### Components:

#### **Isobutyl methyl ketone:**

|| Assessment : May cause respiratory irritation.

#### **Diacetone alcohol:**

|| Assessment : May cause respiratory irritation.

#### **Xylene:**

|| Assessment : May cause respiratory irritation.

#### **Butan-1-ol:**

|| Assessment : May cause respiratory irritation., May cause drowsiness or dizziness.

#### **Formaldehyde:**

|| Assessment : May cause respiratory irritation.

### **STOT-repeated exposure**

May cause damage to organs (Auditory system) through prolonged or repeated exposure.

### Components:

#### **Xylene:**

|| Routes of exposure : inhalation (vapor)  
|| Target Organs : Auditory system  
|| Assessment : Shown to produce significant health effects in animals at concentrations of >0.2 to 1 mg/l/6h/d.

#### **Ethylbenzene:**

|| Routes of exposure : inhalation (vapor)  
|| Target Organs : Auditory system  
|| Assessment : Shown to produce significant health effects in animals at concentrations of >0.2 to 1 mg/l/6h/d.

#### **Formaldehyde:**

|| Routes of exposure : inhalation (gas)  
|| Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### **Repeated dose toxicity**

### Components:

#### **Isobutyl methyl ketone:**

|| Species : Rat  
|| NOAEL : 4.106 mg/l  
|| Application Route : inhalation (vapor)  
|| Exposure time : 14 Weeks



# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Species : Rat  
NOAEL : 250 mg/kg  
Application Route : Ingestion  
Exposure time : 13 Weeks

### Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):

Species : Rat  
NOAEL : 50 mg/kg  
LOAEL : 250 mg/kg  
Application Route : Ingestion  
Exposure time : 14 Weeks  
Method : OECD Test Guideline 408  
Remarks : Based on data from similar materials

### 2-(2-Butoxyethoxy)ethanol:

Species : Rat  
NOAEL : 250 mg/kg  
LOAEL : 1,000 mg/kg  
Application Route : Ingestion  
Exposure time : 90 Days  
Method : OECD Test Guideline 408

Species : Rat  
NOAEL :  $\geq 0.094$  mg/l  
Application Route : inhalation (vapor)  
Exposure time : 90 Days  
Method : OECD Test Guideline 413

Species : Rat  
NOAEL :  $\geq 2,000$  mg/kg  
Application Route : Skin contact  
Exposure time : 90 Days

### Diacetone alcohol:

Species : Rat  
NOAEL : 4.685 mg/l  
Application Route : inhalation (vapor)  
Exposure time : 6 Weeks

Species : Rat  
NOAEL :  $\geq 600$  mg/kg  
Application Route : Ingestion  
Exposure time : 13 Weeks  
Method : OECD Test Guideline 408

### Xylene:

Species : Rat  
LOAEL :  $> 0.2 - 1$  mg/l  
Application Route : inhalation (vapor)  
Exposure time : 13 Weeks  
Remarks : Based on data from similar materials

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Species : Rat  
LOAEL : 150 mg/kg  
Application Route : Ingestion  
Exposure time : 90 Days

### **Butan-1-ol:**

Species : Rat  
NOAEL : 125 mg/kg  
Application Route : Ingestion  
Exposure time : 13 Weeks

### **Ethylbenzene:**

Species : Rat  
LOAEL : 0.868 mg/l  
Application Route : inhalation (vapor)  
Exposure time : 13 Weeks

Species : Rat  
NOAEL : 75 mg/kg  
LOAEL : 250 mg/kg  
Application Route : Ingestion  
Method : OECD Test Guideline 408

### **Formaldehyde:**

Species : Rat  
NOAEL : 6 ppm  
LOAEL : 10 ppm  
Application Route : inhalation (gas)  
Exposure time : 28 Days

### **Aspiration toxicity**

Not classified based on available information.

### **Components:**

#### **Isobutyl methyl ketone:**

The substance or mixture causes concern owing to the assumption that it causes a human aspiration toxicity hazard.

#### **Xylene:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### **Butan-1-ol:**

The substance or mixture causes concern owing to the assumption that it causes a human aspiration toxicity hazard.

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

### Ethylbenzene:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### Isobutyl methyl ketone:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 179 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 200 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 30 mg/l  
Exposure time: 21 d

##### 2-(2-Butoxyethoxy)ethanol:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,300 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): >= 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC10: > 1,995 mg/l  
Exposure time: 30 min

##### Diacetone alcohol:

Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): >= 1,000 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 100 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

Toxicity to microorganisms : EC50: > 1,000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

### Xylene:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 13.5 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : EC50 (Skeletonema costatum (marine diatom)): 10 mg/l  
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC (Danio rerio (zebra fish)): > 0.1 - < 1 mg/l  
Exposure time: 35 d  
Method: OECD Test Guideline 210  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EL10 (Daphnia magna (Water flea)): > 1 - 10 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211  
Remarks: Based on data from similar materials

Toxicity to microorganisms : NOEC: > 100 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209  
Remarks: Based on data from similar materials

### Butan-1-ol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1,376 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,328 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 225 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 4.1 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

Toxicity to microorganisms : EC50 (Pseudomonas putida): 4,390 mg/l  
Exposure time: 17 h

### Carbon black:

Toxicity to fish : LL50 (Danio rerio (zebra fish)): > 1,000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 5,600 mg/l  
Exposure time: 24 h  
Test substance: Water Accommodated Fraction  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL10 (Desmodesmus subspicatus (green algae)): > 10,000 mg/l  
Exposure time: 72 h  
Test substance: Water Accommodated Fraction  
Method: OECD Test Guideline 201

EL50 (Desmodesmus subspicatus (green algae)): > 10,000 mg/l  
Exposure time: 72 h  
Test substance: Water Accommodated Fraction  
Method: OECD Test Guideline 201

### Ethylbenzene:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.2 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.8 - 2.4 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 3.6 mg/l  
Exposure time: 96 h

NOEC (Pseudokirchneriella subcapitata (green algae)): 3.4 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia dubia (water flea)): 0.96 mg/l  
Exposure time: 7 d

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Toxicity to microorganisms : EC50 (Nitrosomonas sp.): 96 mg/l  
Exposure time: 24 h

### **Formaldehyde:**

Toxicity to fish : LC50: 6.7 mg/l  
Exposure time: 96 h  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 5.8 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 4.89 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Oryzias latipes (Orange-red killifish)): >= 48 mg/l  
Exposure time: 28 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): >= 6.4 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

Toxicity to microorganisms : EC50: 34.1 mg/l  
Exposure time: 120 h

### **Persistence and degradability**

#### **Components:**

##### **Isobutyl methyl ketone:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 83 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

##### **Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200):**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 5 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

##### **2-(2-Butoxyethoxy)ethanol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 85 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301C

##### **Diacetone alcohol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 98.51 %

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

||| Exposure time: 28 d

### Xylene:

||| Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 70 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

### Butan-1-ol:

||| Biodegradability : Result: Readily biodegradable.  
Biodegradation: 92 %  
Exposure time: 20 d

### Ethylbenzene:

||| Biodegradability : Result: Readily biodegradable.  
Biodegradation: 70 - 80 %  
Exposure time: 28 d

### Formaldehyde:

||| Biodegradability : Result: Readily biodegradable.  
Biodegradation: 91 %  
Exposure time: 14 d  
Method: OECD Test Guideline 301C  
Remarks: Based on data from similar materials

### Bioaccumulative potential

#### Components:

#### Isobutyl methyl ketone:

||| Partition coefficient: n-octanol/water : log Pow: 1.9

#### 2-(2-Butoxyethoxy)ethanol:

||| Partition coefficient: n-octanol/water : log Pow: 1

#### Diacetone alcohol:

||| Partition coefficient: n-octanol/water : log Pow: -0.09  
Remarks: Calculation

#### Xylene:

||| Partition coefficient: n-octanol/water : log Pow: 3.16  
Remarks: Calculation

#### Butan-1-ol:

||| Partition coefficient: n-octanol/water : log Pow: 1

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

||

**Ethylbenzene:**

|| Partition coefficient: n-octanol/water : log Pow: 3.6

**Formaldehyde:**

|| Partition coefficient: n-octanol/water : log Pow: 0.35

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

---

### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.  
If not otherwise specified: Dispose of as unused product.

---

### SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**UNRTDG**

UN number : UN 1263  
Proper shipping name : PAINT  
Class : 3  
Packing group : III  
Labels : 3

**IATA-DGR**

UN/ID No. : UN 1263  
Proper shipping name : Paint  
Class : 3  
Packing group : III  
Labels : Flammable Liquids

---



# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

### IMDG-Code

UN number : UN 1263  
Proper shipping name : PAINT

Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 1263  
Proper shipping name : Paint

Class : 3  
Packing group : III  
Labels : FLAMMABLE LIQUID  
ERG Code : 128  
Marine pollutant : no

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Xylene	1330-20-7	100	2271
Isobutyl methyl ketone	108-10-1	5000	17979
Formaldehyde	50-00-0	100	54674

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Formaldehyde	50-00-0	100	54674

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Skin corrosion or irritation

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

---

Serious eye damage or eye irritation  
Respiratory or skin sensitization  
Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)

### SARA 313

: The following components are subject to reporting levels established by SARA Title III, Section 313:

Isobutyl methyl ketone	108-10-1	>= 20 - < 30 %
2-(2-Butoxyethoxy)ethanol	112-34-5	>= 10 - < 20 %
Xylene	1330-20-7	>= 1 - < 5 %
Butan-1-ol	71-36-3	>= 1 - < 5 %
Ethylbenzene	100-41-4	>= 1 - < 5 %
Formaldehyde	50-00-0	>= 0.1 - < 1 %
2-Butoxyethanol	111-76-2	< 0.1 %

### Volatile organic compounds (VOC) content

VOC content: 560.92 g/l  
Remarks: less exempt

VOC content: 560.92 g/l  
Remarks: as packaged

### US State Regulations

#### Pennsylvania Right To Know

Isobutyl methyl ketone	108-10-1
Fluoropolymer	Trade secret
Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight >700 - 1200)	25068-38-6
2-(2-Butoxyethoxy)ethanol	112-34-5
Formaldehyde, polymer with 6-phenyl-1,3,5-triazine-2,4-diamine, butylated	68002-26-6
Diacetone alcohol	123-42-2
Xylene	1330-20-7
Butan-1-ol	71-36-3
Carbon black	1333-86-4
Ethylbenzene	100-41-4
2-Methyl-1-propanol	78-83-1
Formaldehyde	50-00-0
Toluene	108-88-3

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version 9.0      Revision Date: 09/13/2019      SDS Number: 1347414-00040      Date of last issue: 02/21/2019  
Date of first issue: 02/27/2017

### California Prop. 65

WARNING: This product can expose you to chemicals including Isobutyl methyl ketone, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### California List of Hazardous Substances

Isobutyl methyl ketone	108-10-1
Diacetone alcohol	123-42-2
Xylene	1330-20-7
Butan-1-ol	71-36-3
Ethylbenzene	100-41-4

### California Permissible Exposure Limits for Chemical Contaminants

Isobutyl methyl ketone	108-10-1
Diacetone alcohol	123-42-2
Xylene	1330-20-7
Butan-1-ol	71-36-3
Carbon black	1333-86-4
Ethylbenzene	100-41-4

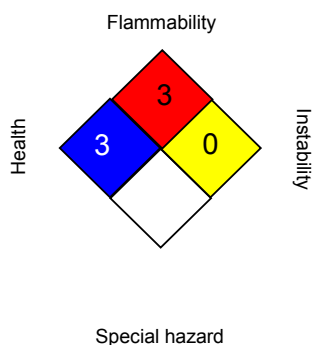
### California Regulated Carcinogens

Formaldehyde	50-00-0
--------------	---------

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH	*	3
FLAMMABILITY		3
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Chemours™ and the Chemours Logo are trademarks of The Chemours Company. Before use read Chemours safety information. For further information contact the local Chemours office or nominated distributors. All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version	Revision Date:	SDS Number:	Date of last issue: 02/21/2019
9.0	09/13/2019	1347414-00040	Date of first issue: 02/27/2017

OSHA CARC : OSHA Specifically Regulated Chemicals/Carcinogens  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
OSHA Z-2 : USA. Occupational Exposure Limits (OSHA) - Table Z-2  
ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
ACGIH / C : Ceiling limit  
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek  
NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday  
NIOSH REL / C : Ceiling value not be exceeded at any time.  
OSHA CARC / PEL : Permissible exposure limit (PEL)  
OSHA CARC / STEL : Excursion limit  
OSHA Z-1 / TWA : 8-hour time weighted average  
OSHA Z-2 / TWA : 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

# SAFETY DATA SHEET



## 954G-303 ONE COAT BLACK

Version	Revision Date:	SDS Number:	Date of last issue: 02/21/2019
9.0	09/13/2019	1347414-00040	Date of first issue: 02/27/2017

---

Revision Date : 09/13/2019

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8