

**857G-030 PRIMER BLACK**

Version 3.1

Revision Date 02/19/2016

Ref. 130000127887

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : 857G-030 PRIMER BLACK  
Product Use : Non-stick finish for professional use

Restrictions on use : Do not use product for anything outside of the above specified uses  
Manufacturer/Supplier : The Chemours Company FC, LLC  
1007 Market Street  
Wilmington, DE 19899  
United States of America

Product Information : 1-844-773-CHEM (outside the U.S. 1-302-773-1000)  
Medical Emergency : 1-866-595-1473 (outside the U.S. 1-302-773-2000)  
Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION****Product hazard category**

Acute toxicity (Inhalation)	Category 4
Skin irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity - repeated exposure	Category 2



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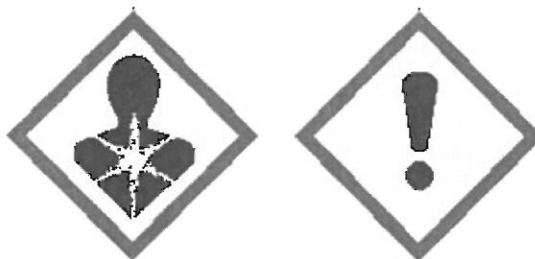
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**Label content**

Pictogram

:



Signal word

: Danger

Hazardous warnings

: Causes skin irritation.  
Causes serious eye irritation.  
Harmful if inhaled.  
Suspected of causing genetic defects.  
Suspected of causing cancer.  
May damage fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure.  
(Respiratory system)

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Hazardous prevention measures : Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear eye protection/ face protection.  
Wear protective gloves.  
Use personal protective equipment as required.  
IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Get medical advice/ attention.  
If skin irritation occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.  
Store locked up.  
Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 14.7756 %

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Aluminum oxide	1344-28-1	5 - 10 %
Furfuryl alcohol	98-00-0	1 - 5 %

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N-Methyl-2-pyrrolidone	872-50-4	1 - 5 %
Triethylamine	121-44-8	1 - 5 %
2-(Diethylamino)Ethanol	100-37-8	0 - 1 %

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES**

- General advice : When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
- Skin contact : Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.
- Eye contact : Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label.
- Most important symptoms/effects, acute and delayed : No applicable data available.
- Protection of first-aiders : No applicable data available.



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Notes to physician : No applicable data available.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : The product itself does not burn., Water spray, Dry chemical, Foam
- Unsuitable extinguishing media : No applicable data available.
- Specific hazards : Fire will produce dense black smoke containing hazardous combustion products (see section 10). Exposure to decomposition products may be a hazard to health.
- Special protective equipment for firefighters : Full protective flameproof clothing Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Ensure adequate ventilation. Avoid contact with eyes. Avoid contact with skin. Avoid breathing vapours or mist. Remove all sources of ignition.
- Environmental precautions : Do not discharge to streams, ponds, lakes or sewers. Local authorities should be advised if significant spillages cannot be contained.
- Spill Cleanup : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Do not let product enter drains. Dispose of in accordance with local regulations. Clean with detergents. Avoid solvents.
- Accidental Release Measures : Fire may cause evolution of:



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**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area. Close container after each use. Wash thoroughly after handling. Wash hands before eating, drinking, or smoking.  
Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist.
- Handling (Physical Aspects) : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. No sparking tools should be used. Heating above the flash point may emit flammable vapors.
- Dust explosion class : No applicable data available.
- Storage : Observe label precautions. Never use pressure to empty. Store in a well-ventilated area away from heat and sunlight. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not freeze.  
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.  
Do not freeze.
- Storage period : No applicable data available.
- Storage temperature : 5 - 25 °C (41 - 77 °F)

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Engineering controls : Ensure adequate ventilation. Handle only in a place equipped with local exhaust (or other appropriate exhaust). General mechanical ventilation is

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normally adequate but use local exhaust where necessary to maintain exposures below acceptable limits.

## Personal protective equipment

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hand protection : Additional protection: Wear approved gloves that are suitable for the task and have been shown to be impervious for the duration of their use.
- Eye protection : Wear safety glasses or coverall chemical splash goggles.
- Skin and body protection : Wear suitable protective equipment.
- Protective measures : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

## Exposure Guidelines

## Exposure Limit Values

Aluminum oxide				
Permissible exposure limit:	(OSHA)	5 mg/m3	8 hr. TWA	Respirable fraction.
Permissible exposure limit:	(OSHA)	15 mg/m3	8 hr. TWA	Total dust.
TLV	(ACGIH)	1 mg/m3	TWA	Respirable fraction.

Furfuryl alcohol				
Permissible exposure limit:	(OSHA)	50 ppm	200 mg/m3	8 hr. TWA
TLV	(ACGIH)	10 ppm	TWA	
TLV	(ACGIH)	15 ppm	STEL	

## N-Methyl-2-pyrrolidone

No applicable data available.



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Triethylamine				
Permissible exposure limit:	(OSHA)	25 ppm	100 mg/m3	8 hr. TWA
TLV	(ACGIH)	1 ppm	TWA	
TLV	(ACGIH)	3 ppm	STEL	

2-(Diethylamino)Ethanol				
Permissible exposure limit:	(OSHA)	10 ppm	50 mg/m3	8 hr. TWA
TLV	(ACGIH)	2 ppm	TWA	

Biological Exposure Indices

N-Methyl-2-pyrrolidone			
BEI	(ACGIH)	100 mg/l	5-Hydroxy-N-methyl-2-pyrrolidone/Urine
			Sampling time: End of shift.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	
Physical state	: liquid
Form	: liquid
Color	: black
Odor	: No applicable data available.
Odor threshold	: No applicable data available.
pH	: 8.5 - 11
Melting point/range	: No applicable data available.
Boiling point/boiling range	: Boiling point/boiling range 100 - 100.1 °C (212 - 212.2 °F)



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Flash point	: does not flash
Evaporation rate	: No applicable data available.
Flammability (solid, gas)	: Liquid: Does not sustain combustion.
Upper explosion limit	: No applicable data available.
Lower explosion limit	: No applicable data available.
Vapour Pressure	: No applicable data available.
Vapour density	: No applicable data available.
Density	: 1.1490 g/cm <sup>3</sup>
Specific gravity (Relative density)	: See Density
Water solubility	: soluble
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: No applicable data available.
Auto-ignition temperature	: No applicable data available.
Decomposition temperature	: No applicable data available.
Viscosity, kinematic	: No applicable data available.
Viscosity, dynamic	: 254 mPa.s Method: ISO 2431
% Volatile	: 76.27 %WT : 87.80 %VL
Volatile organic content (VOC)	: 441.69 g/l less exempt



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Repeated dose toxicity	: Ingestion Rat - 28 d NOAEL: 141 mg/kg Method: see user defined free text No toxicologically significant effects were found., Information given is based on data obtained from similar substances.
Carcinogenicity	: Not classifiable as a human carcinogen. Overall weight of evidence indicates that the substance is not carcinogenic.
Mutagenicity	: Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured mammalian cells.
Reproductive toxicity	: No toxicity to reproduction Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.
Teratogenicity	: Animal testing showed no developmental toxicity. Information given is based on data obtained from similar substances.

## Furfuryl alcohol

Inhalation 4 h LC50	: 0.592 mg/l , Rat Target Organs: Respiratory Tract Respiratory tract irritation
Dermal LD50	: 400 mg/kg , Rabbit
Oral LD50	: 149 mg/kg , Rat
Skin irritation	: Irritating to skin., Rabbit Moderate skin irritation
Eye irritation	: Moderate eye irritation, Rabbit
Skin sensitization	: Testing on human volunteers did not demonstrate sensitization properties., human  Animal test did not cause sensitization by skin contact., Mouse

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Repeated dose toxicity	: Inhalation Rat - Target Organs: Respiratory Tract
Carcinogenicity	: Suspected human carcinogens Limited evidence of a carcinogenic effect.
Mutagenicity	: In vitro tests showed mutagenic effects Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others. Did not cause genetic damage in cultured bacterial cells.
Teratogenicity	: Animal testing showed no developmental toxicity.

N-Methyl-2-pyrrolidone  
Inhalation 4 h LC50

	: > 5.1 mg/l , Rat Target Organs: Respiratory Tract Respiratory tract irritation
Dermal LD50	: > 5,000 mg/kg , Rat
Oral LD50	: 4,150 mg/kg , Rat
Skin irritation	: No skin irritation, Rabbit
Eye irritation	: Eye irritation, Rabbit
Skin sensitization	: Does not cause skin sensitisation., Mouse
Repeated dose toxicity	: Oral Rat - Method: OECD Test Guideline 408 Reduced body weight gain  Inhalation Rat - Respiratory irritation

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Dermal  
Rabbit  
- Method: OECD Test Guideline 410  
No toxicologically significant effects were found.

- Carcinogenicity : Not classifiable as a human carcinogen.  
Overall weight of evidence indicates that the substance is not carcinogenic.
- Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
Animal testing did not show any mutagenic effects.
- Reproductive toxicity : Presumed human reproductive toxicant  
Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity.  
Reduced fertility
- Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.  
Reduced embryo-foetal viability  
Foetal malformations
- Triethylamine
- Inhalation 4 h LC50 : 7.24 mg/l , Rat  
Target Organs: Respiratory system, Central nervous system
- Dermal LD50 : 580 mg/kg , Rat
- Oral LD50 : 730 mg/kg , Rat  
Central nervous system effects  
Gastrointestinal effects
- Skin irritation : Causes severe burns., Rabbit
- Eye irritation : Corrosive, Rabbit
- Skin sensitization : Does not cause skin sensitisation., Mouse
- Repeated dose toxicity : Inhalation

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Rat  
 - 28 Weeks  
 vapour  
 NOAEL: 1.02 mg/l Method: OECD Test Guideline 413  
 No toxicologically significant effects were found.

- Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
 Animal testing did not show any mutagenic effects.
- Reproductive toxicity : No toxicity to reproduction  
 Animal testing showed no reproductive toxicity.  
 Information given is based on data obtained from similar substances.
- Teratogenicity : Animal testing showed no developmental toxicity.  
 Information given is based on data obtained from similar substances.

## 2-(Diethylamino)Ethanol

- Inhalation 4 h LC50 : 4.6 mg/l , Rat
- Dermal LD50 : 1,100 mg/kg , Rabbit
- Oral LD50 : 1,320 mg/kg , Rat
- Skin irritation : Causes burns., Rabbit
- Eye irritation : Corrosive, Rabbit
- Skin sensitization : Does not cause skin sensitisation., Guinea pig
- Repeated dose toxicity : Inhalation  
 Rat  
 - 98 d  
 vapour  
 NOAEL: 0.37 mg/l  
 LOAEL: 0.12 mg/l  
 Respiratory effects
- Oral - feed  
 Rat



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- 6 Months  
 NOAEL: 50 - 400 mg/kg  
 Reproductive effects

- Carcinogenicity : Animal testing did not show any carcinogenic effects.
- Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
 Animal testing did not show any mutagenic effects.
- Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

**Carcinogenicity**

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

Material	IARC	NTP	OSHA
Carbon black	2B		

**SECTION 12. ECOLOGICAL INFORMATION**

**Aquatic Toxicity**

**Aluminum oxide**

- 96 h LC50 : Pimephales promelas (fathead minnow)  
 Aquatic toxicity is unlikely due to low solubility.  
 Information given is based on data obtained from similar substances.
- 72 h EC50 : Pseudokirchneriella subcapitata (green algae) OECD Test Guideline 201  
 Aquatic toxicity is unlikely due to low solubility.  
 Information given is based on data obtained from similar substances.

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72 h NOEC	:	Pseudokirchneriella subcapitata (green algae) OECD Test Guideline 201 Aquatic toxicity is unlikely due to low solubility.
48 h LC50	:	Ceriodaphnia dubia (water flea) Aquatic toxicity is unlikely due to low solubility. Information given is based on data obtained from similar substances.
7 d	:	NOEC Pimephales promelas (fathead minnow) No chronic toxicity effects were observed at concentrations up to the limit of aqueous solubility. Information given is based on data obtained from similar substances.
21 d	:	NOEC Daphnia magna (Water flea) OECD Test Guideline 211 No chronic toxicity effects were observed at concentrations up to the limit of aqueous solubility. Information given is based on data obtained from similar substances.
Furfuryl alcohol		
48 h LC50	:	Leuciscus idus (Golden orfe) 1,028 mg/l
7 d EC0	:	Scenedesmus quadricauda (Green algae) 25 mg/l
24 h EC50	:	Daphnia magna (Water flea) 328 mg/l
N-Methyl-2-pyrrolidone		
96 h LC50	:	Oncorhynchus mykiss (rainbow trout) > 500 mg/l
72 h ErC50	:	Desmodesmus subspicatus (green algae) 600.5 mg/l
72 h NOEC	:	Desmodesmus subspicatus (green algae) 125 mg/l
21 d	:	NOEC Daphnia magna (Water flea) 12.5 mg/l OECD Test Guideline 211
Triethylamine		
96 h LC50	:	Oncorhynchus mykiss (rainbow trout) 36 mg/l see user defined free text
96 h EC50	:	Scenedesmus quadricauda (Green algae) 1 mg/l



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48 h EC50	:	Ceriodaphnia dubia (water flea) 17 mg/l
60 d	:	NOEC Oncorhynchus mykiss (rainbow trout) 3.2 mg/l
7 d	:	NOEC Ceriodaphnia dubia (water flea) 7.1 mg/l
2-(Diethylamino)Ethanol 96 h LC50	:	Leuciscus idus (Golden orfe) 1.47 mg/l DIN 38412
72 h EC50	:	Desmodesmus subspicatus (green algae) 44 mg/l
72 h NOEC	:	Desmodesmus subspicatus (green algae) 5 mg/l
48 h EC50	:	Daphnia magna (Water flea) 83.6 mg/l Directive 67/548/EEC, Annex V, C.2.

## Environmental Fate

Aluminum oxide		
Bioaccumulation	:	The substance has the potential to bioaccumulate. Information given is based on data obtained from similar substances.
Furfuryl alcohol		
Biodegradability	:	73 % Readily biodegradable
Bioaccumulation	:	Does not bioaccumulate.
N-Methyl-2-pyrrolidone		
Biodegradability	:	73 % OECD Test Guideline 301C Readily biodegradable, according to appropriate OECD test.
Bioaccumulation	:	Accumulation in aquatic organisms is unlikely.
Triethylamine		
Biodegradability	:	rapidly biodegradable OECD Test Guideline 301 Readily biodegradable
Bioaccumulation	:	OECD Test Guideline 305C



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Does not bioaccumulate.

### SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Product : In accordance with local and national regulations.

Contaminated packaging : Dispose of in accordance with local regulations.

### SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### SECTION 15. REGULATORY INFORMATION

TSCA : On the inventory, or in compliance with the inventory

SARA 313 Regulated Chemical(s) : Aluminum oxide, N-Methyl-2-pyrrolidone , Triethylamine

CAA-Hazardous Air Pollutant : Triethylamine

CERCLA Reportable Quantity : 865 lbs  
Based on the percentage composition of this chemical in the product.:  
Zinc oxide

California Prop. 65 : WARNING! This product contains a chemical or chemicals known to the State of California to cause cancer. Carbon black  
WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. N-Methyl-2-



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pyrrolidone

**SECTION 16. OTHER INFORMATION**

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.