

**FORMULA FIVE Glossy Top Coat**

Safety Data Sheet  
according to OSHA HCS and GHS - Canada WHMIS 2015

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**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product Identifier**

Product form : Mixture  
Trade name : FORMULA FIVE Glossy Top Coat

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses : Release agent

**1.3 Details of the supplier of the safety data sheet**

Company : REXCO  
P.O. Box 80996  
Conyers, GA 30013  
U.S.A.

Telephone : 1-770-483-7610  
Fax : 1-770-483-8550  
Email : info@rexco-usa.com  
Website : www.rexco-usa.com

**1.4 Emergency telephone number**

Chemtrec (24 hours/day) : 1-800-434-9300 (USA and Canada)  
: 1-703-527-3887 (international; collect calls accepted)

**SECTION 2. Hazards Identification****2.1 Classification of the substance or mixture**

Classification according to OSHA-HCS and GHS-Canada WHMIS 2015

Flam. Liq. 2	H225	Highly flammable liquid and vapour
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways
Skin Irrit. 2	H315	Causes skin irritation
STOT SE 3	H336	May cause drowsiness or dizziness
Muta. 1B	H340	May cause genetic defects
Carc. 1B	H350	May cause cancer
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects

See section 16 for full text of H-phrases.

**2.2 Label elements**

Labeling according to the Globally Harmonized System (GHS)

Pictograms



Signal word : **Danger**

**Hazard statements**

H225 Highly flammable liquid and vapour  
H304 May be fatal if swallowed and enters airways

H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects

**Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P312	Call a POISON CENTER/doctor/...if you feel unwell.
P321	Specific treatment (see on this label).
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: See Section 5.2 for extinguishing media.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII.

**SECTION 3. Composition/information on ingredients****3.1 Substances**

Not applicable. This material is not defined as a substance.

**3.2 Mixtures**

This material is defined as a mixture.

**Components contributing to the classification of this material**

	%
Naphtha (petroleum), light alkylate	50 - 75
CAS No. 64741-66-8	
EC No. 265-068-8	
Flam. Liq. 2, H225	
Asp. Tox. 1, H304	
Skin Irrit. 2, H315	
STOT SE 3, H336	
Aquatic Chronic 2, H411	

Naphtha (petroleum), hydrotreated heavy CAS No. 64742-48-9 EC No. 265-150-3 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413	10 - 25
Heptane CAS No. 142-82-5 EC No. 205-563-8 Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1 Aquatic Chronic 1	10 - 25
Trade secret CAS No. -- EC No. -- Acute Tox. 4 , H302	0.1 - 2.5
2,2,4-trimethylpentane CAS No. 540-84-1 EC No. 208-759-1 Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1 Aquatic Chronic 1	0.1 - 0.25

Components not listed are either non-hazardous or are below reportable limits. Concentrations are in percent by weight.

#### SECTION 4. First aid measures

##### General information

Do not leave victim unattended. Show this safety data sheet to doctor in attendance. Conduct medical observation for at least 48 hours after accidental exposure as symptoms of poisoning may occur several hours after initial exposure.

##### 4.1 Description of first aid measures

###### Inhalation

Provide fresh air if light-headed or having difficulty breathing. Provide artificial respiration if needed. If difficulty breathing persists, seek medical attention. If unconscious, place victim on their side for transport to medical facility.

###### Skin

Remove contaminated clothing and wash affected area with soap and warm water. If irritation persists, seek medical attention. Launder contaminated clothing and shoes prior to reuse.

###### Eyes

Flush immediately with cold water for 15 minutes. Remove contact lenses. Keep eye wide open while rinsing. Get prompt medical attention.

###### Ingestion

Seek immediate medical attention. Do not induce vomiting. If spontaneous vomiting occurs keep victim's head below hips to prevent aspiration into lungs. Do not leave individual unattended.

##### 4.2 Most important symptoms and effects, both acute and delayed

No data available

#### **4.3 Indication of any immediate medical attention and special treatment**

Treat symptomatically. Seek immediate medical attention if ingested.

### **SECTION 5. Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Standard procedure for chemical fires. Use dry chemicals, carbon dioxide, water fog, water spray, or alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable extinguishing media**

Water may be unsuitable as an extinguishing media but helpful in keeping adjacent areas cool. Avoid spreading burning liquid with water used for cooling purposes. Do not use water jet.

#### **5.2 Special hazards arising from the substance or mixture**

None inherent to this product.

##### **Hazardous decomposition products formed during combustion**

Carbon oxides, hydrocarbons, aldehydes

#### **5.3 Advice for firefighters**

Evacuate area. Firefighters should use standard protective equipment and should use self-contained breathing apparatus in enclosed spaces. Use water spray to cool surfaces exposed to fire and to protect personnel.

### **SECTION 6. Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Ensure adequate ventilation. Keep sources of ignition and hot metal surfaces isolated from spill.

#### **6.2 Environmental precautions**

Prevent product from entering drains, waterways, sewers, and soil. Stop spill at source and prevent further leakage or spillage if safe to do so. Notify proper authorities if product enters sewers or public waters.

#### **6.3 Methods and material for containment and cleaning up**

Flush spilled material into suitable retaining areas or containers. Small amounts of spilled material may be absorbed with standard absorbent such as sand, vermiculite, or diatomaceous earth. Confine spill and place into suitable closed container for disposal. Dispose of in accordance with regional, national, and local laws and regulations.

#### **6.4 Reference to other sections**

Section 7: safe handling. Section 8: personal and protective equipment. Section 10: incompatible materials. Section 13: disposal information. Section 16: full text of abbreviations.

### **SECTION 7. Handling and storage**

#### **7.1 Precautions for safe handling**

Use in a well ventilated area or use appropriate respirator when ventilation is inadequate. Do not breathe vapor. Wear personal protective clothing and equipment as indicated in Section 8. Eliminate all sources of ignition. Use explosion-proof equipment. Do not ingest. Use good industrial hygiene practices in handling this material. Do not smoke, eat or drink while using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and leaving work. Clean up spills as soon as they occur. Empty containers may contain residual amounts of this product and should be handled with care. Do not reuse containers.

#### **7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. Store in a dry, cool and well-ventilated area away from direct sunlight. Avoid freezing. Store away from incompatible materials (see Section 10) and food and drink. Store in original container. Keep container tightly closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Provide appropriate fire extinguishers and spill cleanup equipment in or near storage area. Keep unauthorized personnel away.

**7.3 Specific end uses**

See section 1.2

**SECTION 8. Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring:**

Naphtha (petroleum), hydrotreated heavy

CAS No. 64742-48-9

EC No. 265-150-3

	LTEL - 8 hours		STEL - 15 minutes	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Germany (DFG)	50	300	100	600
Poland		300		900
Switzerland	50	300	100	600

Heptane

CAS No. 142-82-5

EC No. 205-563-8

	LTEL - 8 hours		STEL - 15 minutes	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Australia	400	1640	500	2050
Austria	500	2000	2000	8000
Belgium	400	1664	500	2085
Canada - Ontario	400		500	
Canada - Québec	400	1640	500	2050
Denmark	200	820	400	1640
Finland	300	1200	500	2100
France	400	1668	500	2085
Germany (AGS)	500	2100	500	2100
Germany (DFG)	500	2100	500	2100
Hungary		2000		8000
Ireland	500	2085		
Italy	500	2085		
Japan (JSOH)	200	820		
Latvia	85	350	500	2085
New Zealand	400	1640	500	2050
People's Republic of China		500		1000
Romania	500	2085		
South Korea	400	1600	500	2000
Sweden	200	800	300	1200
Switzerland	400	1600	400	1600
The Netherlands		1200		1600
Turkey	500	2085		
USA (ACGIH)	400	1640	500	2050
USA (NIOSH)	85	350	440	1800
USA (OSHA)	500	2000		
United Kingdom	500			

Benzene

CAS No. 71-43-2

EC No. 200-753-7

	LTEL - 8 hours		STEL - 15 minutes	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Australia	1	3.2		
Austria	1	3.2	4	12.8

Belgium	1	3.25		
Canada - Ontario	0.5		2.5	
Canada - Québec	1	3	5	15.5
Denmark	0.5	1.6	1	3.2
Finland	1	3.25		
France	1	3.25		
Germany (AGS)	0.6	1.9	4.8	15.2
Hungary				3
Ireland	1	3		
Israel	0.5	1.6	2.5	8
Italy	1	3.25		
Japan	10			
Japan (JSOH)	1			
Latvia	1	3.25		
New Zealand	1		2.5	
People's Republic of China		6		10
Poland		1.6		
Romania	1	3.25		
Singapore	1	3.18		
South Korea	1	3	5	16
Spain	1	3.25		
Sweden	0.5	1.5	3	9
Switzerland	0.5	1.6		
The Netherlands		3.25		
Turkey	1	3.25		
USA (NIOSH)	0.1	0.32	1	3.2
USA (OSHA)	1		5	
United Kingdom	1			

**Ingredients with biological monitoring guidance values (BMGV) and/or biological exposure index (BEI):**

Contains no substances with biological monitoring guidance values.

**8.2 Exposure controls****Engineering controls**

Provide adequate local exhaust ventilation. Use explosion-proof electrical/ventilating/lighting equipment. Maintain eye wash fountain and safety shower in work area.

**Personal protective equipment****General protective and hygienic measures**

Do not eat, drink, or smoke while using. Wash hands before breaks and at the end of workday. Immediately remove all soiled or contaminated clothing.

**Eye and face protection**

Chemical safety glasses with side shields, goggles or face shield are recommended. Eye wash stations are recommended for the work area.

**Skin and body protection**

Wear chemical resistant clothing and shoes. Safety showers are recommended for the work area.

**Respiratory protection**

Provide sufficient general and/or local exhaust. If engineering controls are not sufficient to protect worker health use a half-face filter respirator approved under applicable regulatory standards.

**Hand protection**

Wear chemical resistant impervious gloves. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves.

**Environmental controls**

Prevent product from entering drains. Stop spill at source and prevent further leakage or spillage if safe to do so. If product contaminates rivers and lakes or drains, notify proper authorities.

## SECTION 9. Physical and chemical properties

Physical state	: Liquid
Physical form	: Liquid
Colour	: Clear
Odour	: Solvent
Odour threshold	: No data available
Melting point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flammability	: Flammable liquid
Upper flammability limit	: No data available
Lower flammability limit	: No data available
Flash point	: 0 °C (32 °F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: No data available
Viscosity	: < 15 cP
Solubility (water)	: Not soluble
Partition coefficient n-octanol/water (log value)	: No data available
Vapour pressure	: No data available
Relative density at 24 °C (water = 1)	: 0.71 - 0.75
Volatile organic compounds (VOC)	
VOC - actual	: 729 g/L
VOC less water & exempt solvents	: 729 g/L

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

Not reactive under normal conditions of use.

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames, hot surfaces, or other sources of ignition.

### 10.5 Incompatible materials

Oxidizing agents, acids, bases, strong reducing agents

### 10.6 Hazardous decomposition products

Carbon oxides, hydrocarbons, aldehydes

## SECTION 11. Toxicological Information

### 11.1 Information on toxicological effects

Acute toxicity : Not classified

LD/LC50 values that are relevant for classification:

Naphtha (petroleum), light alkylate  
CAS No. 64741-66-8

EC No. 265-068-8

Oral	LD50	rat	> 5000 mg/kg
Dermal	LD50	rabbit	> 2000 mg/kg
Inhalative	LC50	rat	22 mg/l/4h

Naphtha (petroleum), hydrotreated heavy

CAS No. 64742-48-9

EC No. 265-150-3

Oral	LD50	rat	> 5000 mg/kg
Dermal	LD50	rabbit	> 5000 mg/kg

- Skin corrosion/irritation : Causes skin irritation.
- Serious eye damage/irritation : Not classified
- Respiratory or skin sensitisation : Not classified
- Germ cell mutagenicity : Not classified
- Carcinogenicity : Not classified
- Reproductive toxicity : Not classified
- STOT-single exposure : May cause drowsiness or dizziness.
- STOT-repeated exposure : Not classified
- Aspiration hazard : May be fatal if swallowed and enters airway

**SECTION 12: Ecological information**

- 12.1 Toxicity** : Aquatic toxicity:  
Naphtha (petroleum), light alkylate  
CAS No. 64741-66-8  
EC No. 265-068-8  
LL50 | 18.4 mg/l (Oncorhynchus mykiss (rainbow trout))
- 12.2 Persistence and degradability** : No data available
- 12.3 Bioaccumulative potential** : No data available
- 12.4 Mobility in soil** : No data available
- 12.5 Other adverse effects** : Hazardous for water. Dangerous to drinking water even in small quantities. Toxic to fish and aquatic organisms.
- 12.6 General notes** : No data available

**SECTION 13. Disposal considerations**

**13.1 Waste treatment methods**

Dispose of in accordance with regional, national, and local laws and regulations.

- Material disposal : Do not dispose of waste into sewer. Do not contaminate ponds, waterways, or ditches with product or used container. Send to a licensed waste management company.
- Container disposal : Do not dispose of waste into sewer. Do not contaminate ponds, waterways, or ditches with product or used container. Send to a licensed waste management company.

**SECTION 14. Transport information**

**14.1 UN number**

UN1866

**14.2 UN proper shipping name**

- DOT : RESIN SOLUTION
- ADR : RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS
- IMDG : RESIN SOLUTION (heptanes, naphtha (petroleum), light alkylate), MARINE POLLUTANT
- IATA : RESIN SOLUTION



**14.3 Transport hazard class**

3

**14.4 Packing group**

II

**14.5 Environmental hazards**

MARINE POLLUTANT

**14.6 Special precautions for user**

EmS: F-E, S-E

Stowage category: B

Kemler code: 33

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable

**14.8 Additional information**

Limited Quantity: 1.0 L

Limited Quantity: 1.0 L

Tunnel code: D/E

**SECTION 15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No information available for this material. Information provided is for components.

**OSHA Hazard Communication Standard**

This material is hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200

**Superfund Amendments and Reauthorization Act (SARA)****SARA 302 Components**

No data available

**SARA 311/312 Hazard Categories**

No information available for this material. Information provided is for components.

**SARA 313 Components**

All components are listed.

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**

No chemicals in this material are subject to the reporting requirements of CERCLA.

**California Proposition 65**

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

**This product contains the following Right to Know components:****Component**

Heptane (CAS No. 142-82-5)

2,2,4-trimethylpentane (CAS No. 5404-84-1)

Benzene (CAS No. 71-43-2)

**U.S. State Right to Know list**

: Massachusetts, New Jersey, Pennsylvania

: Massachusetts, New Jersey, Pennsylvania

: Massachusetts, New Jersey, Pennsylvania

**Regulation (EC) No 1907/2006, Title VII, Article 57 - Substances of Very High Concern (SVHC)**

Trade secret (EC No. --)

**Regulation (EC) No 1907/2006, Annex XIV - List of Substances Subject to Authorization**

No components of this material are listed.

**Regulation (EC) No 1907/2006, Annex XVII - Restrictions of Certain Dangerous Substances, Mixtures and Articles**

Conditions of restriction: 3, 48

**International Agency for Research on Cancer (IARC)**

This product contains the following chemicals classified by IARC as carcinogenic:

Benzene

CAS No. 71-43-2

EC No. 200-753-7

Group 1

Toluene

CAS No. 108-88-3

EC No. 203-625-9

Group 3

**Chemical inventories**

Components are listed or exempted from listing on the following chemical inventories:

AICS	Australian Inventory of Chemical Substances
DSL / NDSL	Domestic Substances List / Non-Domestic Substances List
EINECS	European Inventory of Existing Commercial Chemical Substances
ENCS	Existing and New Chemical Substances
IECS	Inventory of Existing Chemical Substances Produced or Imported in China
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substances Control Act

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this product.

**SECTION 16. Other information**

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. REXCO MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether this product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate this product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

**Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGS	Committee on Hazardous Substances
CAS	Chemical Abstract Service
DFG	German Research Foundation
DOT	U.S. Department of Transportation
EC	European Community
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
JSOH	Japanese Society for Oral Health
LC50	Lethal concentration, 50 percent
LD50	Lethal does, 50 percent
LTEL	Long term exposure limit
NIOSH	National Institute for Occupational Safety and Health
OSHA	U.S. Occupational Safety and Health Administration
OSHA HCS	U.S. Occupational Safety and Health Administration Hazard Communication Standard

PBT	Persistent, Bioaccumulative and Toxic
STEL	Short term exposure limit
vPvB	very Persistent and very Bioaccumulative