

# SAFETY DATA SHEET

Revision Date 13-May-2015

Version 1

# **1. IDENTIFICATION**

Product identifier **Product Name** 

350 G/L Spar Varnish Satin

Other means of identification **Product Code** 92310 UN/ID no. UN1950 SKU(s) None

Recommended use of the chemical and restrictions on use **Recommended Use** No information available. Uses advised against No information available

# Details of the supplier of the safety data sheet

Supplier Address Old Masters 303 19th St. SE Orange City, IA 51041 Phone: 712-737-4993 Fax: 712-737-4997

#### Emergency telephone number **Emergency Telephone**

Chemtrec 1-800-424-9300

# 2. HAZARDS IDENTIFICATION

## **Classification**

## **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1
Flammable aerosols	Category 1

#### **Emergency Overview**

## Danger

Hazard statements Causes serious eye irritation May cause genetic defects May cause cancer Suspected of damaging fertility or the unborn child May cause drowsiness or dizziness Causes damage to organs through prolonged or repeated exposure



Physical state Aerosol

Odor No information available

# **Precautionary Statements - Prevention**

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wash face, hands and any exposed skin thoroughly after handling Use only outdoors or in a well-ventilated area Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product

# **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

## **Precautionary Statements - Storage**

Store locked up Store in a well-ventilated place. Keep container tightly closed

## **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

# Hazards not otherwise classified (HNOC)

Other Information

Causes mild skin irritation

· Harmful to aquatic life with long lasting effects

• Harmful to aquatic life Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

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

Chemical Name	CAS No.	Weight-%	Trade Secret
Acetone	67-64-1	15 - 40	*
Propane	74-98-6	10 - 30	*
Butane	106-97-8	7 - 13	*
Trade Secret	Proprietary	7 - 13	*
Solvent Naphtha, Medium Aliphatic	64742-88-7	3 - 7	*
Aromatic 100	64742-95-6	1 - 5	*
Ethylene Glycol Butyl Ether	111-76-2	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

# 4. FIRST AID MEASURES

## Description of first aid measures

General advice	Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.		
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. If symptoms persist, call a physician.		
Skin Contact	Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.		
Inhalation	Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.		
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Call a physician.		
Self-protection of the first aider	Remove all sources of ignition. Use personal protective equipment as required.		
Most important symptoms and effe	ects, both acute and delayed		
Symptoms	No information available.		
Indication of any immediate medical attention and special treatment needed			
Note to physicians	Treat symptomatically.		
5. FIRE-FIGHTING MEASURES			

# Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

No information available.

Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

## Protective equipment and precautions for firefighters

In the event of fire and/or explosion do not breathe fumes.

# 6. ACCIDENTAL RELEASE MEASURES

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

Personal precautions	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.
Environmental precautions	
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and material for containm	nent and cleaning up	
methods and material for containing		
Methods for containment	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.	
Methods for cleaning up	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.	
	7. HANDLING AND STORAGE	
Precautions for safe handling		
Advice on safe handling	Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.	
Conditions for safe storage, includ	ling any incompatibilities	
Storage Conditions	Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.	
Incompatible materials	Strong acids. Strong oxidizing agents. Chlorinated compounds.	

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Control parameters

### **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone	Acetone STEL: 500 ppm TWA: 1000 ppm		IDLH: 2500 ppm
67-64-1	TWA: 250 ppm	TWA: 2400 mg/m <sup>3</sup>	TWA: 250 ppm
		(vacated) TWA: 750 ppm	TWA: 590 mg/m <sup>3</sup>
		(vacated) TWA: 1800 mg/m <sup>3</sup>	-
		(vacated) STEL: 2400 mg/m <sup>3</sup> The	
		acetone STEL does not apply to the	
		cellulose acetate fiber industry. It is	
		in effect for all other sectors	
		(vacated) STEL: 1000 ppm	
Propane	: See Appendix F: Minimal	TWA: 1000 ppm	IDLH: 2100 ppm
74-98-6	Oxygen Content	TWA: 1800 mg/m <sup>3</sup>	TWA: 1000 ppm
		(vacated) TWA: 1000 ppm	TWA: 1800 mg/m <sup>3</sup>
		(vacated) TWA: 1800 mg/m <sup>3</sup>	_
Butane	STEL: 1000 ppm	(vacated) TWA: 800 ppm	TWA: 800 ppm
106-97-8		(vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>
Ethylene Glycol Butyl Ether	TWA: 20 ppm	TWA: 50 ppm	IDLH: 700 ppm
111-76-2		TWA: 240 mg/m <sup>3</sup>	TWA: 5 ppm
		(vacated) TWA: 25 ppm	TWA: 24 mg/m <sup>3</sup>
		(vacated) TWA: 120 mg/m <sup>3</sup>	ç
		(vacated) S*	
		``S*´	

NIOSH IDLH Immediately Dangerous to Life or Health

**Other Information** 

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

# Appropriate engineering controls

# Engineering Controls

Showers Eyewash stations Ventilation systems.

# Individual protection measures, such as personal protective equipment

Eye/face protection	Tight sealing safety goggles. Face protection shield.
Skin and body protection	No special technical protective measures are necessary.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

Physical state Appearance Color	Aerosol No information available No information available	Odor Odor threshold	No information available No information available
Property pH Melting point/freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability Limit in Air Upper flammability limit: Lower flammability limit: Vapor pressure Vapor density Specific Gravity Water solubility Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties	ValuesNo information availableNo information available>= -42 °C / -43 °F-104 °C / -156 °FNo information availableNo information available	<u>Remarks • Method</u>	
Oxidizing properties	No information available		
Other Information			
Softening point Molecular weight VOC Content (%) Density Bulk density Percent solids by weight Percent volatile by weight Percent solids by volume Actual VOC (lbs/gal) Actual VOC (grams/liter) EPA VOC (lbs/gal)	No information available No information available No information available 6.15 lbs/gal No information available 13.4% 38.6% 9.2% 2.4 283.2 4.1		

# EPA VOC (grams/liter)496.5EPA VOC (lb/gal solids)25.8

# **10. STABILITY AND REACTIVITY**

# Reactivity

No data available

## Chemical stability

Stable under recommended storage conditions.

## Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

Heat, flames and sparks.

#### Incompatible materials

Strong acids. Strong oxidizing agents. Chlorinated compounds.

#### Hazardous Decomposition Products

None known based on information supplied.

# **11. TOXICOLOGICAL INFORMATION**

### Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m³ (Rat)8 h
Propane 74-98-6	-	-	= 658 mg/L (Rat)4 h
Butane 106-97-8	-	-	= 658 g/m³ ( Rat ) 4 h
Trade Secret	= 1540 mg/kg (Rat)	= 794 µL/kg (Rabbit)	= 36 g/m³ ( Rat ) 4 h
Solvent Naphtha, Medium Aliphatic 64742-88-7	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat)4 h
Aromatic 100 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat)4 h
Ethylene Glycol Butyl Ether 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat)4 h

## Information on toxicological effects

Symptoms

No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Germ cell mutagenicity		No information available. No information available.			
Carcinogenicity	No information	No information available.			
Chemical Name	ACGIH	ACGIH IARC NTP OSHA			

Ethylene Glycol Butyl Ether 111-76-2	A3	Group 3	-	-
A3 - Animal Carcinogen	erence of Governmental Ind ncy for Research on Cance as a human carcinogen			
Reproductive toxicity	an increase i were observe in the numbe (hypertrophy biochemical similar mech inhalation ex rabbits were 700 ppm and chemical adr ppm for 70 d decreases in extending ov concentration in the lower of rats exposed	in liver size. No gross hist ed. An increase in liver m er of normal cells (hyperpla ) were determined to be the mechanisms producing the anisms in humans are ins posure to any chemical. In exposed to a trade secret d 500 ppm respectively, not ministered to rats by whole ays prior to mating, throug live litter size. Additional rer an unusually long time ins. Statistically significant concentrations evaluated (	of mice and rats to a trade s opathological or significant etabolizing enzymes, as we asia) followed by an increas ne underlying causes of the ese effects are highly sens ensitive. Good industrial hy developmental toxicity stu- chemical by vapor inhalati of teratogenic effects were of body inhalation at concen- gh mating, gestation and late y, increases in the incidence period (dystocia) were obs alterations in these param 300 and 70 ppm). In a pre- of 700 ppm had decreases the significance of these fin	clinical chemistry effects ell as a transient increase se in cell size liver enlargement. The itive in rodents, while ygiene practice minimizes idies in which rats and on at concentrations up to observed. A trade secret trations of 500 and 700 ctation resulted in ce of deliveries of offspring erved at these eters were not observed vious range-finding study, in the number of
STOT - single exposure STOT - repeated exposur Chronic toxicity	Contains a k	on available. nown or suspected reprod	luctive toxin. See Section 1 sure. May cause adverse ef	
Target Organ Effects		Central nervous system, E	yes, Hematopoietic System	n, kidney, Respiratory
Aspiration hazard	No information			

# Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

# **12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

Harmful to aquatic life with long lasting effects

41.34% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Acetone 67-64-1		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
Trade Secret	-	500: 96 h Brachydanio rerio mg/L LC50 1000: 96 h Lepomis macrochirus mg/L LC50	25.2: 24 h Daphnia magna mg/L EC50
Solvent Naphtha, Medium Aliphatic 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50
Aromatic 100 64742-95-6	-	9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50
Ethylene Glycol Butyl Ether 111-76-2	-	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

## Persistence and degradability

No information available.

## **Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
Acetone 67-64-1	-0.24
Propane 74-98-6	2.3
Butane 106-97-8	2.89
Trade Secret	5.1
Ethylene Glycol Butyl Ether 111-76-2	0.81

Other adverse effects

No information available

# **13. DISPOSAL CONSIDERATIONS**

Waste treatment method	<u>s</u>
Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.
US EPA Waste Number	U002 U055 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone	-	Included in waste stream:	-	U002
67-64-1		F039		

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status		
Acetone 67-64-1	Ignitable		
14. TRANSPORT INFORMATION			

DOT UN/ID no. Proper shipping name Hazard Class Description Emergency Response Guide Number	UN1950 Aerosols 2.1 UN1950, Aerosols, 2.1 126
<u>TDG</u> UN/ID no. Proper shipping name Hazard Class Description	UN1950 Aerosols 2.1 UN1950, Aerosols, 2.1
<u>MEX</u> UN/ID no. Proper shipping name Hazard Class Description	UN1950 Aerosols 2 UN1950, Aerosols, 2

ICAO (air) UN/ID no. Proper shipping name Hazard Class	UN1950 Aerosols 2.1
Special Provisions Description	A145, A167 UN1950, Aerosols, 2.1
IATA UN/ID no. Proper shipping name Hazard Class ERG Code Special Provisions Description	UN1950 Aerosols, flammable 2.1 10L A145, A167, A802 UN1950, Aerosols, flammable, 2.1
IMDG UN/ID no. Proper shipping name Hazard Class EmS-No. Special Provisions Description	UN1950 Aerosols 2 F-D, S-U 63,190, 277, 327, 344, 959 UN1950, Aerosols, 2
<u>RID</u> UN/ID no. Proper shipping name Hazard Class Classification code Description	UN1950 Aerosols 2.1 5F UN1950, Aerosols, 2.1
ADR UN/ID no. Proper shipping name Hazard Class Classification code Tunnel restriction code Special Provisions Description Labels	UN1950 Aerosols 2.1 5F (D) 190, 327, 344, 625 UN1950, Aerosols, 2.1, (D) 2.1
ADN Proper shipping name Hazard Class Classification code Special Provisions Description Hazard label(s) Limited quantity (LQ) Ventilation	Aerosols 2.1 5F 190, 327, 344, 625 UN1950, Aerosols, 2.1 2.1 1 L VE01, VE04
	15. REGULATORY INFORMATION
International Inventories TSCA DSL/NDSL	Complies Complies *

international inventories	
TSCA	Complies
DSL/NDSL	Complies *
EINECS/ELINCS	Complies *
ENCS	Does not comply *
IECSC	Complies *
KECL	Does not comply *
PICCS	Does not comply *
AICS	Does not comply *

\* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

## Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances AICS - Australian Inventory of Chemical Substances

## US Federal Regulations

## <u>SARA 313</u>

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Ethylene Glycol Butyl Ether - 111-76-2	1.0

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone	5000 lb	-	RQ 5000 lb final RQ
67-64-1			RQ 2270 kg final RQ

# US State Regulations

# California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Ethyl Benzene - 100-41-4	Carcinogen
Cumene - 98-82-8	Carcinogen
Crystalline Silica - 14808-60-7	Carcinogen

## U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	Х	X	Х
Propane 74-98-6	Х	X	Х
Butane 106-97-8	Х	X	Х
Solvent Naphtha, Medium Aliphatic 64742-88-7	Х	-	-
Ethylene Glycol Butyl Ether 111-76-2			Х
Propylene Glycol Methyl Ether 107-98-2	Х	X	Х
Xylene 1330-20-7	Х	X	Х
Cobalt neodecanoate 27253-31-2	Х	-	Х
Diethylene Glycol Methyl Ether 111-77-3	Х	X	Х

Crystalline Silica 14808-60-7	Х	Х	Х
1-Octene 111-66-0	-	Х	Х

## U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## Hazardous air pollutants (HAPS) content

resulting from misuse of the product.

This product contains no reportable Hazardous Air Pollutants

# 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards	<b>s</b> 2	Flammability 4	Instability 0	Physical and Chemical Properties *		
HMIS_	Health hazards	<b>s</b> 2*	Flammability 4	Physical hazards 0	Personal protection X		
Chronic Hazard Star Le	egend *=	= Chronic	Health Hazard				
Revision Date 13-May-2015   Revision Note No information available   Disclaimer 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. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The							

End of Safety Data Sheet

manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property