

SAFETY DATA SHEET

Revision Date 13-May-2015

Version 1

1. IDENTIFICATION

Product identifier Product Name

350 G/L Spar Varnish Gloss

Other means of identificationProduct Code92410UN/ID no.UN1950SKU(s)None

Recommended use of the chemical and restrictions on useRecommended UseNo information available.Uses advised againstNo 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
Skin sensitization	Category 1
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 an allergic skin reaction 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 Extremely flammable aerosol



Appearance No information available

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 Contaminated work clothing should not be allowed out of the workplace Wear protective gloves 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 ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse 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

0.36% 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	3 - 7	*
Solvent Naphtha, Medium Aliphatic	64742-88-7	1 - 5	*
Aromatic 100	64742-95-6	1 - 5	*
1,2,4-Trimethylbenzene	95-63-6	1 - 5	*
Ethylene Glycol Butyl Ether	111-76-2	1 - 5	*
Methyl Ethyl Ketoxime	96-29-7	0.1 - 1	*

*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. Immediate medical attention is not required. 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. Drink plenty of water. 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 effects, 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.		
Methods and material for conta	inment and cleaning up		
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, includi	ing 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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³
Propane 74-98-6	: See Appendix F: Minimal Oxygen Content	TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	TWA: 800 ppm TWA: 1900 mg/m ³
1,2,4-Trimethylbenzene 95-63-6	-	-	TWA: 25 ppm TWA: 125 mg/m ³
Ethylene Glycol Butyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

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, su	ch 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

Property pН 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 Oxidizing properties**

Other Information

Softening point Molecular weight VOC Content (%) Density Bulk density Aerosol No information available No information available

Values

No information available No information available > -42 °C / -44 °F -104 °C / -155 °F No information available No information available

No information available No information available No information available No information available 0.74 No information available No information available

No information available No information available No information available 6.16 lbs/gal No information available Odor Odor threshold No information available No information available

Remarks • Method

Percent solids by weight Percent volatile by weight Percent solids by volume Actual VOC (lbs/gal) Actual VOC (grams/liter) EPA VOC (lbs/gal) EPA VOC (grams/liter)	16.1% 38.6% 11.5% 2.4 285.3 4.1 485.7 20.7
EPA VOC (lb/gal solids)	20.7
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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
1,2,4-Trimethylbenzene 95-63-6	= 3280 mg/kg(Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m³(Rat)4 h
Ethylene Glycol Butyl Ether 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat)4 h
Methyl Ethyl Ketoxime 96-29-7	= 930 mg/kg (Rat)	= 0.2 mg/kg (Rabbit)	= 20 mg/L (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	No informatio	n available			
Germ cell mutagenicity	No information available.				
Carcinogenicity		No information available.			
Chemical Name	ACGIH				
Ethylene Glycol Butyl Ether	A3	Group 3	-	-	
A3 - Animal Carcinogen	Repeated inh an increase in were observe in the numbe (hypertrophy) biochemical r similar mecha inhalation exp rabbits were 700 ppm and chemical adm ppm for 70 da decreases in extending ove concentration in the lower of rats exposed implantation s known. No information Contains a kr INFORMATIO	analation or oral exposure of n liver size. No gross histo ed. An increase in liver me r of normal cells (hyperplat) were determined to be the mechanisms producing the anisms in humans are inse- posure to any chemical. In exposed to a trade secret 1 500 ppm respectively, no ninistered to rats by whole ays prior to mating, through live litter size. Additionally er an unusually long time p s. Statistically significant concentrations evaluated (3 to vapor concentrations of sites and live litter size. The on available. nown or suspected reproduction	pathological or significar etabolizing enzymes, as w sia) followed by an increa- e underlying causes of th ese effects are highly sen- ensitive. Good industrial I developmental toxicity st chemical by vapor inhalar teratogenic effects were body inhalation at conce h mating, gestation and la y, increases in the incider beriod (dystocia) were ob alterations in these parar 300 and 70 ppm). In a pr f 700 ppm had decreases ne significance of these fin- uctive toxin. See Section ure. May cause adverse of	e liver enlargement. The sitive in rodents, while hygiene practice minimizes udies in which rats and tion at concentrations up to observed. A trade secret intrations of 500 and 700 actation resulted in fince of deliveries of offspring served at these neters were not observed evious range-finding study, a in the number of indings to humans is not	
Target Organ Effects	liver, blood, 0 system, Skin	Central nervous system, Ey		m, kidney, Respiratory	
Aspiration hazard	No information	on available.			
Numerical measures of to	xicity - Product Inform	ation			

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

12. ECOLOGICAL INFORMATION

Ecotoxicity

27.37% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Acetone	-	4.74 - 6.33: 96 h Oncorhynchus	10294 - 17704: 48 h Daphnia
67-64-1		mykiss mL/L LC50 6210 - 8120: 96	magna mg/L EC50 Static 12600 -
		h Pimephales promelas mg/L LC50	12700: 48 h Daphnia magna mg/L
		static 8300: 96 h Lepomis	EC50
		macrochirus mg/L LC50	
Trade Secret	-	500: 96 h Brachydanio rerio mg/L	25.2: 24 h Daphnia magna mg/L
		LC50 1000: 96 h Lepomis	EC50
		macrochirus mg/L LC50	
Solvent Naphtha, Medium Aliphatic	450: 96 h Pseudokirchneriella	800: 96 h Pimephales promelas	100: 48 h Daphnia magna mg/L
64742-88-7	subcapitata mg/L EC50	mg/L LC50 static	EC50

Aromatic 100	-	9.22: 96 h Oncorhynchus mykiss	6.14: 48 h Daphnia magna mg/L
64742-95-6		mg/L LC50	EC50
1,2,4-Trimethylbenzene	-	7.19 - 8.28: 96 h Pimephales	6.14: 48 h Daphnia magna mg/L
95-63-6		promelas mg/L LC50 flow-through	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
Methyl Ethyl Ketoxime 96-29-7	83: 72 h Desmodesmus subspicatus mg/L EC50	777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through 760: 96 h Poecilia reticulata mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static	750: 48 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
1,2,4-Trimethylbenzene 95-63-6	3.63
Ethylene Glycol Butyl Ether 111-76-2	0.81
Methyl Ethyl Ketoxime 96-29-7	0.65

Other adverse effects

No information available

U002 U055 U239

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

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

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

<u>DOT</u> UN/ID no.

UN1950

Proper shipping name Hazard Class Description Emergency Response Guide Number	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 Special Provisions Description	UN1950 Aerosols 2.1 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
<u>ADN</u> Proper shipping name Hazard Class Classification code	Aerosols 2.1 5F

Special Provisions	190, 327, 344, 625
Description	UN1950, Aerosols, 2.1
Hazard label(s)	2.1
Limited quantity (LQ)	1 L
Ventilation	VE01, VE04

15. REGULATORY INFORMATION

Complies
Complies *
Complies *
Does not comply *
Complies *
Does not comply *
Does not comply *
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

SARA 313

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 %	
1,2,4-Trimethylbenzene - 95-63-6	1.0	
Ethylene Glycol Butyl Ether - 111-76-2	1.0	

SARA 311/312 Hazard Categories

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
			, v

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	

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	-	-
1,2,4-Trimethylbenzene 95-63-6	Х	X	Х
Ethylene Glycol Butyl Ether 111-76-2	Х	X	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
Neo C9-13 Acid, Cobalt Salts 68955-83-9	Х	-	Х
Diethylene Glycol Methyl Ether 111-77-3	Х	X	Х
1-Octene 111-66-0	-	X	Х

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Hazardous air pollutants (HAPS) content

This product contains no reportable Hazardous Air Pollutants

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

Flammability 4

NFPA	
HMIS	

Health hazards 2*

Health hazards 2

Flammability 4

Physical hazards 0

Instability 0

Physical and Chemical **Properties** * Personal protection X

Chronic Hazard Star Legend

13-May-2015

* = Chronic Health Hazard

Revision Date 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 manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet