1 <u>.</u> P	PRODUCT AND COMPANY I	DENTIFICATION
Product Name:	Goof Off Overspray Remover	
Company Name:	W. M. Barr	Phone Number:
	2105 Channel Avenue	(901)775-0100
	Memphis, TN 38113	
Web site address:	www.wmbarr.com	
Emergency Contact:	3E 24 Hour Emergency Contact	(800)451-8346
Information:	W.M. Barr Customer Service	(800)398-3892
ntended Use:	Paint remover	
Product Code:	FG821	
	2. HAZARDS IDENTIFI	CATION
Aspiration Toxicity, Categor Simple Asphyxiant	y 1	
-	Danger	
-	H222: Extremely flammable aerosol.	
-	H222: Extremely flammable aerosol. H280: Containers gas under pressure; r	
-	H222: Extremely flammable aerosol. H280: Containers gas under pressure; r H304: May be fatal if swallowed and en	
-	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> </ul>	
-	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> </ul>	
-	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> </ul>	
-	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> </ul>	ters airways.
GHS Precautionary Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> </ul>	ters airways. e rapid suffocation.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> </ul>	ters airways. e rapid suffocation.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> </ul>	ters airways. e rapid suffocation. e use. cautions have been read and understood.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame open flame</li> </ul>	ters airways. e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. r any other ignition source.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> </ul>	ters airways. e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. ir any other ignition source. erce or burn, even after use.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> <li>P261: Avoid breathing gas/mist/vapors/</li> </ul>	ters airways. e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. or any other ignition source. erce or burn, even after use. /spray.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> <li>P261: Avoid breathing gas/mist/vapors/</li> <li>P264: Wash hands thoroughly after har</li> </ul>	ters airways. e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. r any other ignition source. erce or burn, even after use. spray. ndling.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> <li>P261: Avoid breathing gas/mist/vapors/</li> <li>P264: Wash hands thoroughly after har</li> <li>P271: Use only outdoors or in a well-ve</li> </ul>	e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. ir any other ignition source. erce or burn, even after use. /spray. ndling. intilated area.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> <li>P261: Avoid breathing gas/mist/vapors/</li> <li>P264: Wash hands thoroughly after har</li> <li>P271: Use only outdoors or in a well-ve</li> <li>P280: Wear protective gloves/protective</li> </ul>	e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. or any other ignition source. erce or burn, even after use. /spray. ndling. ntilated area. e clothing/eye protection/face protection.
GHS Hazard Phrases: GHS Precautionary Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pression</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame of</li> <li>P251: Pressurized container: Do not pie</li> <li>P261: Avoid breathing gas/mist/vapors/</li> <li>P264: Wash hands thoroughly after har</li> <li>P271: Use only outdoors or in a well-ve</li> <li>P280: Wear protective gloves/protective</li> <li>P281: Use personal protective equipment</li> </ul>	ters airways. e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. or any other ignition source. erce or burn, even after use. /spray. ndling. ntilated area. e clothing/eye protection/face protection. ent as required.
GHS Hazard Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame of</li> <li>P261: Avoid breathing gas/mist/vapors/</li> <li>P264: Wash hands thoroughly after har</li> <li>P271: Use only outdoors or in a well-ve</li> <li>P280: Wear protective gloves/protective</li> <li>P281: Use personal protective equipme</li> <li>P301+310: IF SWALLOWED: Immediate</li> </ul>	ters airways. a rapid suffocation. a use. cautions have been read and understood. an flames/hot surfaces No smoking. ar any other ignition source. arce or burn, even after use. (spray. hdling. intilated area. a clothing/eye protection/face protection. ant as required. tely call a POISON CENTER or doctor/physicia
GHS Hazard Phrases: GHS Precautionary Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> <li>P261: Avoid breathing gas/mist/vapors/</li> <li>P264: Wash hands thoroughly after har</li> <li>P271: Use only outdoors or in a well-ve</li> <li>P280: Wear protective gloves/protective</li> <li>P301+310: IF SWALLOWED: Immediat</li> <li>P304+340: IF INHALED: Remove victim</li> </ul>	e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. or any other ignition source. erce or burn, even after use. /spray. ndling. ntilated area. e clothing/eye protection/face protection.
GHS Hazard Phrases: GHS Precautionary Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> <li>P264: Wash hands thoroughly after har</li> <li>P271: Use only outdoors or in a well-ve</li> <li>P280: Wear protective gloves/protective</li> <li>P301+310: IF SWALLOWED: Immediat</li> <li>P304+340: IF INHALED: Remove victin comfortable for breathing.</li> </ul>	ters airways. e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. or any other ignition source. erce or burn, even after use. spray. holling. intilated area. e clothing/eye protection/face protection. ent as required. tely call a POISON CENTER or doctor/physicia in to fresh air and keep at rest in a position
GHS Hazard Phrases: GHS Precautionary Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> <li>P261: Avoid breathing gas/mist/vapors/</li> <li>P264: Wash hands thoroughly after har</li> <li>P271: Use only outdoors or in a well-ve</li> <li>P280: Wear protective gloves/protective</li> <li>P281: Use personal protective equipme</li> <li>P301+310: IF SWALLOWED: Immediat</li> <li>P304+340: IF INHALED: Remove victin comfortable for breathing.</li> <li>P305+351+338: IF IN EYES: Rinse cause</li> </ul>	ters airways. e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. r any other ignition source. erce or burn, even after use. /spray. ndling. intilated area. e clothing/eye protection/face protection. ent as required. tely call a POISON CENTER or doctor/physicia n to fresh air and keep at rest in a position
GHS Hazard Phrases: GHS Precautionary Phrases:	<ul> <li>H222: Extremely flammable aerosol.</li> <li>H280: Containers gas under pressure; r</li> <li>H304: May be fatal if swallowed and en</li> <li>H319: Causes serious eye irritation.</li> <li>H335: May cause respiratory irritation.</li> <li>H340: May cause genetic defects.</li> <li>H351: Suspected of causing cancer.</li> <li>HUS1: May displace oxygen and cause</li> <li>P201: Obtain special instructions before</li> <li>P202: Do not handle until all safety pred</li> <li>P210: Keep away from heat/sparks/ope</li> <li>P211: Do not spray on an open flame o</li> <li>P251: Pressurized container: Do not pie</li> <li>P264: Wash hands thoroughly after har</li> <li>P271: Use only outdoors or in a well-ve</li> <li>P280: Wear protective gloves/protective</li> <li>P301+310: IF SWALLOWED: Immediat</li> <li>P304+340: IF INHALED: Remove victin comfortable for breathing.</li> </ul>	e rapid suffocation. e use. cautions have been read and understood. en flames/hot surfaces No smoking. or any other ignition source. erce or burn, even after use. (spray. holling. intilated area. e clothing/eye protection/face protection. ent as required. tely call a POISON CENTER or doctor/physicia in to fresh air and keep at rest in a position utiously with water for several minutes. Remove o. Continue rinsing.

Licensed to W.M. Barr and Company: MIRS MSDS, (c) A V Systems, Inc.

	Supersedes Revision: 02/10/2020
	P331: Do NOT induce vomiting. P337+313: If eye irritation persists, get medical advice/attention.
GHS Storage and Disposal Phrases:	<ul> <li>P403+233: Store container tightly closed in well-ventilated place.</li> <li>P405: Store locked up.</li> <li>P410+403: Protect from sunlight and store in well-ventilated place.</li> <li>P412: Do not expose to temperatures exceeding 50 °C/122 °F.</li> <li>P501: Dispose of contents/container according to local, state and federal regulations.</li> </ul>
OSHA Regulatory Status: Potential Health Effects (Acute and Chronic):	This material is classified as hazardous under OSHA regulations. INHALATION: ACUTE (IMMEDIATE): Causes respiratory tract irritation. CHRONIC (DELAYED): May be harmful if inhaled.
	SKIN: ACUTE (IMMEDIATE): May cause skin irritation. CHRONIC (DELAYED): May cause defatting of skin after prolonged or repeated exposure. This product can be absorbed through skin.
	EYE: ACUTE (IMMEDIATE): Causes severe eye irritation. CHRONIC (DELAYED): No Data Available
	INGESTION: ACUTE (IMMEDIATE): May cause irritation to the mouth, throat, and stomach. Aspiration hazard if swallowed - may enter lungs and cause damage. CHRONIC (DELAYED): May be harmful if ingested.
	CARCINOGENIC EFFECTS: This product contains ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans.
	OTHER CHRONIC EFFECTS: This product contains ingredients that may contribute to the following potential chronic health effects: Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
Medical Conditions Generally	y Skin and Respiratory Conditions

### Aggravated By Exposure:

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-64-1	Acetone {2-Propanone}	60.0 -80.0 %
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	7.0 -13.0 %
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	5.0 -10.0 %
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	5.0 -10.0 %
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	1.0 -5.0 %
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}	0.1 -1.0 %

Licensed to W.M. Barr and Company: MIRS MSDS, (c) A V Systems, Inc.

	Supersedes Revision: 02/10/2020
Additional Chemical	Specific percentage of composition is being withheld as a trade secret.
	4. FIRST AID MEASURES
Emergency and First Aid Procedures:	INHALATION: Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.
	SKIN: Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.
	EYE: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. If medical assistance is not immediately available, flush an additional 15 minutes. Get medical attention immediately.
	INGESTION: Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention immediately.
Signs and Symptoms Of Exposure:	ROUTE OF ENTRY: Inhalation, Skin/Dermal, Eye/Ocular, Ingestion/Oral
	TARGET ORGANS: Central Nervous System (CNS), Blood and/or Immune System, Liver, Kidney
	5. FIRE FIGHTING MEASURES
Flammability Classification:	NFPA Class IC
Flash Pt:	< 0.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: N.D. UEL: N.D.
Autoignition Pt:	N.D.
Suitable Extinguishing Media	a:Carbon dioxide, dry chemical, foam and/or water fog.
Unsuitable Extinguishing Media:	None known.
Fire Fighting Instructions:	Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.
Flammable Properties and Hazards:	Flashpont of liquid concentrate: 0 degrees F.
	Flashpoint of propellant: -144.78 degrees F. LEL of propellant: 1.8 % UEL of propellant: 9.5%
	Level 3 Aerosol
Hazardous Combustion Products:	Carbon monoxide and carbon dioxide.

	6. ACCIDENTAL RELEASE MEASURES
Steps To Be Taken In Case Material Is Released Or Spilled:	PERSONAL PRECAUTIONS: Use self-containing breathing apparatus or air-mask for large spills in a confined area. Avoid contact with eyes.
opinea.	EMERGENCY PROCEDURES: Ventilate the area. Avoid breathing dust or vapor. Remove all sources of ignition. Use only non-sparking tools.
	ENVIRONMENTAL PRECAUTIONS: Do not allow spilled material to enter waterways.
	CONTAINMENT/CLEAN-UP MEASURES: Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, "Handling and Storage", for proper container and storage procedures.
	7. HANDLING AND STORAGE
Precautions To Be Taken in Handling:	Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, o operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.
Precautions To Be Taken in Storing:	Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 Section 22.
	Empty containers may contain product residue, including flammable or explosive vapors
	Level 3 Aerosol
Other Precautions:	Keep away from heat, sparks and open flame. No smoking.
8. EXP	OSURE CONTROLS/PERSONAL PROTECTION
CAC# Chamical Name	luviadiation Decommonded Europeuro Limite Notatione

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-64-1	Acetone {2-Propanone	} ACGIH TLV	TLV: 500 ppm STEL: 750 ppm	
		OSHA PELs	PEL: 1000 ppm	
64742-47 distillate (	<ul> <li>-8 Hydrotreated light petroleum, mineral spirits</li> </ul>	ACGIH TLV	TLV: 200 mg/m3	
	7 Xylene (mixed isome , dimethyl-}	ers) ACGIH TLV	TLV: 100 ppm STEL: 150 ppm	
		OSHA PELs	PEL: 100 ppm	
100-41-4 {Ethylben	Ethylbenzene zol; Phenylethane}	ACGIH TLV	TLV: 100 ppm STEL: 125 ppm	
		OSHA PELs	PEL: 100 ppm	
Recomm	nended Exposure	Europe		
Limits:		" Benzene, ethyl- (100- ppm STEL; 884 mg/m3 the skin) " Xylene (1330-20-7): T	WAs: (500 ppm TWA; 1210 mg/m3 TWA) 41-4): TWAs: (100 ppm TWA; 442 mg/m3 TWA)   STEL)   Skin Absorbers: (possibility of significant of WAs: (50 ppm TWA; 221 mg/m3 TWA)   STELs: ( L)   Skin Absorbers: (possibility of significant uptak	uptake through (100 ppm
Licensed to	W.M. Barr and Company:	MIRS MSDS, (c) A V Systems	, Inc.	GHS format

Recommended Exposure	
Limits:	US STATE CALIFORNIA
	" Acetone (67-64-1): PELs: (750 ppm PEL; 1780 mg/m3 PEL)   STELs: (1000 ppm
	STEL; 2400 mg/m3 STEL)   Ceilings: (3000 ppm Ceiling)
	"Benzene, ethyl- (100-41-4): PELs: (100 ppm PEL; 435 mg/m3 PEL)   STELs: (125 ppm
	STEL; 545 mg/m3 STEL)
	" Xylene (1330-20-7): PELs: (100 ppm PEL; 435 mg/m3 PEL)   STELs: (150 ppm STEL;
	655 mg/m3 STEL)   Ceilings: (300 ppm Ceiling)
	" Propane (74-98-6): PELs: (1000 ppm PEL; 1800 mg/m3 PEL)
	United States - OSHA
	" Acetone (67-64-1): TWAs: (1000 ppm TWA; 2400 mg/m3 TWA)   TWAs: (750 ppm
	TWA; 1800 mg/m3 TWA)   STELs (Short Term Exposure Limits): (1000 ppm STEL; 2400
	mg/m3 STEL (The acetone STEL does not apply to the cellulose acetate fiber industry. It
	is in effect for all other sectors))
	" Benzene, ethyl- (100-41-4): TWAs: (100 ppm TWA; 435 mg/m3 TWA)   TWAs: (100
	ppm TWA; 435 mg/m3 TWA)   STELs (Short Term Exposure Limits): (125 ppm STEL;
	545 mg/m3 STEL)
	" Xylene (1330-20-7): TWAs: (100 ppm TWA; 435 mg/m3 TWA)   TWAs: (100 ppm
	TWA; 435 mg/m3 TWA)   STELs (Short Term Exposure Limits): (150 ppm STEL; 655
	mg/m3 STEL)
	" Propane (74-98-6): TWAs: (1000 ppm TWA; 1800 mg/m3 TWA)   TWAs: (1000 ppm
	TWA; 1800 mg/m3 TWA)
	United States - ACGIH
	Acetone (67-64-1): TWAs: (500 ppm TWA)   STELs: (750 ppm STEL)   Carcinogens:
	(A4 - Not Classifiable as a Human Carcinogen)   TLV Basis - Critical Effects: (irritation)
	BEIs: (Acetone in urine: 50 mg/L, end of shift (Ns))
	" Benzene, ethyl- (100-41-4): TWAs: (100 ppm TWA)   STELs: (125 ppm STEL)
	Carcinogens: (A3 - Confirmed animal carcinogen with unknown relevance to humans)
	TLV Basis - Critical Effects: (irritation; CNS)   BEIs: (Mandelic acid in urine: 1.5 g/g
	creatinine, end of shift at end of workweek (Ns); Ethyl benzene in end-exhaled air: (Sq))
	Notice of Intended Changes (BEIs): (Sum of mandelic acid and phenyl glyoxylic acid in
	urine: 1.5 g/g creatinine, end of shift at end of workweek (Ns, Sq); Ethyl benzene in end-exhaled air: not critical (Sq))
	" Xylene (1330-20-7): TWAs: (100 ppm TWA)   STELs: (150 ppm STEL)   Carcinogens:
	(A4 - Not Classifiable as a Human Carcinogen)   TLV Basis - Critical Effects: (irritation)
	BEIs: (Methylhippuric acids in urine: 1.5 g/g creatinine, end of shift)
	" Propane (74-98-6): TWAs: (1000 ppm TWA (listed under aliphatic hydrocarbon gases
	alkane C1-C4))   TLV Basis - Critical Effects: (CNS depression; cardiac sensitization)
	United States - NIOSH
	" Acetone (67-64-1): TWAs: (250 ppm TWA; 590 mg/m3 TWA)
	" Benzene, ethyl- (100-41-4): STELs: (125 ppm STEL; 545 mg/m3 STEL)   TWAs: (100
	ppm TWA; 435 mg/m3 TWA) " Propane (74-98-6): TWAs: (1000 ppm TWA; 1800 mg/m3 TWA)
	(1000  mg/m) = (1000  mg/m)
	Germany
	" Acetone (67-64-1): MAKs: (500 ppm MAK; 1200 mg/m3 MAK)   Ceilings: (1000 ppm
	Peak; 2400 mg/m3 Peak)   TWAs: (500 ppm TWA; 1200 mg/m3 TWA)   BAT - Werte: (80
	mg/L; Parameter = Acetone; Material = urine; Sampling time = end of exposure/shift)
	" Benzene, ethyl- (100-41-4): Skin Absorbers: (Skin Absorber)   Carcinogens: (Category
	3A (could be carcinogenic for man))   Skin Absorbers: (Skin absorber)   TWAs: (100 ppm

Recommended Exposure Limits:	TWA; 440 mg/m3 TWA)   BAT - Werte: (1 mg/L; Parameter = Ethylbenzol; Material = whole blood; Sampling time = end of exposure/shift; 800 mg/g creatinine; Parameter = Mandelic acid plus Phenylglyoxylic acid; Material = urine; Sampling time = end of exposure/shift) " Xylene (1330-20-7): MAKs: (100 ppm MAK; 440 mg/m3 MAK)   Ceilings: (200 ppm Peak; 880 mg/m3 Peak)   Skin Absorbers: (Skin Absorber)   Pregnancy: (classification not yet possible (all isomers))   Skin Absorbers: (Skin absorber)   TWAs: (100 ppm TWA 440 mg/m3 TWA)   BAT - Werte: (1.5 mg/L; Parameter = Xylol; Material = whole blood; Sampling time = end of exposure/shift; 2 g/L; Parameter = Methylhippuric-(Tolur-)acid; Material = urine; Sampling time = end of exposure/shift) " Ethanol, 2-(2-butoxyethoxy)- (112-34-5): MAKs: (100 mg/m3 MAK)   Ceilings: (100 mg/m3 Peak)   Pregnancy: (no risk to embryo/fetus if exposure limits adhered to)   TWAs: (100 mg/m3 TWA) " Propane (74-98-6): MAKs: (1000 ppm MAK; 1800 mg/m3 MAK)   Ceilings: (2000 ppm Peak; 3600 mg/m3 Peak)   TWAs: (1000 ppm TWA; 1800 mg/m3 TWA) New Zealand " Acetone (67-64-1): TWAs: (500 ppm TWA; 1185 mg/m3 TWA)   STELs: (1000 ppm STEL; 2375 mg/m3 STEL)	ι;
	<ul> <li>STEL; 2375 mg/m3 STEL)</li> <li>Benzene, ethyl- (100-41-4): TWAs: (100 ppm TWA; 434 mg/m3 TWA)   STELs: (125 ppm STEL; 543 mg/m3 STEL)</li> <li>Xylene (1330-20-7): TWAs: (50 ppm TWA; 217 mg/m3 TWA)  </li> <li>Propane (74-98-6): Simple Asphyxiants: (simple asphyxiant)</li> </ul>	
Respiratory Equipment (Specify Type):	If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.	or
Eye Protection:	Chemical goggles, also wear a face shield if splashing hazard exists.	
Protective Gloves:	Appropriate chemical resistant gloves should be worn that are compatible with the ingredients, such as rubber or nitrile.	
Other Protective Clothing:	To prevent skin contact wear protective clothing covering all exposed areas. Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons to minimize exposure.	
Engineering Controls (Ventilation etc.):	Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas.	
	Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment.Use only with adequate ventilation to prevent buildup of vapors.	
	Do not use in areas where vapors can accumulate and concentrate, such as basements bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering STOP ventilation is inadequate. Leave area immediately and move to fresh air.	
Work/Hygienic/Maintenance Practices:	A source of clean water should be available in the work area for flushing of eyes and skin.	
	Wash hands thoroughly after use and before eating, drinking, or smoking.	
Licensed to W.M. Barr and Company:		a+
Lissinged to winit. Dan and Company.		<u>*  </u>

	Supersedes Revision. 02	
9.	PHYSICAL AND CHEMICAL PROPERTIES	
Physical States:	[X]Gas [X]Liquid []Solid	
Appearance and Odor:	Clear, colorless with a solvent type odor. Odor threshold not determined.	
pH:	N.A.	
Melting Point:		
Boiling Point:	> 99.90 F	
Flash Pt:	< 0.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)	
Evaporation Rate:	> 1 (BuAC=1)	
Flammability (solid, gas):		
Explosive Limits:	LEL: N.D. UEL: N.D.	
Vapor Pressure (vs. Air or mm Hg):	N.D.	
Vapor Density (vs. Air = 1):	> 1 Air = 1	
Specific Gravity (Water = 1):	0.788 - 0.808	
Density:	6.56 - 6.72 LB/GL	
Solubility in Water:	Mostly	
Saturated Vapor Concentration:	N.D.	
Octanol/Water Partition Coefficient:		
Percent Volatile:	100.0 % by weight.	
VOC / Volume:	20.0000 % WT	
Autoignition Pt:	N.D.	
Decomposition Temperature:		
Viscosity:	< 10 CPS	
Information with regard to primary physical hazard:		
	10. STABILITY AND REACTIVITY	
Stability:	Unstable [ ] Stable [ X ]	
Conditions To Avoid - Instability:	Heat	
Incompatibility - Materials To Avoid:	Strong oxidizing and reducing agents.	
Hazardous Decomposition o Byproducts:	<b>r</b> Carbon monoxide and carbon dioxide.	
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [ X ]	
Conditions To Avoid - Hazardous Reactions:		
Licensed to W.M. Barr and Company:	MIRS MSDS, (c) A V Systems, Inc.	GHS forma

	11. TOXICOLOGICAL INFORMATION
Toxicological Information:	This product has not been tested as a whole. Information below will be for individual ingredients. Refer to section 2 for acute and chronic effects.
	CAS# 67-64-1: Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe. Result:
	<ul> <li>Behavioral: Change in motor activity (specific assay).</li> <li>Behavioral: Alteration of classical conditioning.</li> <li>American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave.,</li> <li>Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946</li> </ul>
	CAS# 1330-20-7: Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.
	Result: Behavioral: Muscle contraction or spasticity. Lungs, Thorax, or Respiration:Other changes. - Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,123, 1974
	Standard Draize Test, Eyes, Species: Rabbit, 5.000 MG, 24 H, Severe. Result: Behavioral: General anesthetic.
	Behavioral: General anestretic. Behavioral: Somnolence (general depressed activity). Behavioral: Irritability. - "Sbornik Vysledku Toxixologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu
	Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972
	CAS# 100-41-4: Tumorigenic Effects:, TCLo, Inhalation, Rat, 750.0 ppm. Result:
	Tumorigenic: Carcinogenic by RTECS criteria. Kidney, Ureter, Bladder: Tumors.
	Standard Draize Test, Eyes, Species: Rabbit, 500.0 MG, Severe. Result: Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per
	total number of implants). Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth). Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). - American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946
	CAS# 112-34-5:

Licensed to W.M. Barr and Company: MIRS MSDS, (c) A V Systems, Inc.

		Standard Draize Test, Eyes, Specie	es: Rabbit, 20	0.00 MG, Sev	/ere.	
		Result: Behavioral: Anticonvulsant.				
		- American Journal of Ophthalmolo	av Ophthaln	nic Pub Co	435 N Mich	igan Ave
		Suite 1415, Chicago, IL 60611, Vol				.g,
Chronic Toxi	cological	-				
Effects:	0					
Carcinogenio	;ity/Other	IARC 2B - Possibly Carcinogenic to				
Information:		IARC 3: Not Classifiable as to Car ACGIH A3 - Confirmed Animal Car			alevance to H	umane
		ACGIH A4 - Not Classifiable as a F	-			unians
CAS #	Hazardous Co	mponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone {2-Pro	ppanone}			A4	
68476-86-8	-	eum gas, sweetened {propane, isobutane	<b>)</b> .			
	n-butane}	5, u i ,	,			
64742-47-8	Hydrotreated lic	ght distillate (petroleum, mineral spirits)			A4	
1330-20-7	Xylene (mixed i	somers) {Benzene, dimethyl-}		3	A4	
100-41-4	Ethylbenzene {	[Ethylbenzol; Phenylethane}		2B	A3	
112-34-5	Diethylene glyc	ol monobutyl ether				
	{2-(2-Butoxyeth	oxy)ethanol {(a glycol ether)}				
		12. ECOLOGICAL INI				
General Ecol Information:	ogical	Product has not been tested as a w	/hole.			
information:						
		13. DISPOSAL CONS	IDERATI(	ONS		
Waste Dispo	sal Method:	Dispose of waste at an approved h			•	ility in
		accordance with applicable local, p	rovincial and	federal regu	lations.	
		14. TRANSPORT INF	ORMATI	ON		
	SPORT (US DO	Т):				
DOT Prop	er Shipping Na	me: Aerosols, flammable				
DOT Haza	rd Class:	2.1 FLAMMABLE	GAS			
UN/NA Nu	mber:	UN1950				
		and the second s				
		FLAMMABLE GAS				
		2				
Additional T	-	The shipper / supplier may apply o		• ·		•
Information:		Consumer Commodity, Limited Qu	-	•		
		or others, as allowed under 49CFF Subchapter C to ensure that subse	-			
		Subchapter C to ensure that subse	quent snipme	ents comply	with these ex	ceptions.
						•
						·
						·
						·

		15. REGULATOR	Y INFORM	ATION		
EPA SARA (S	uperfund Amend	Iments and Reauthorization Act	of 1986) Lists			
CAS #	Hazardous Co	mponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
67-64-1	Acetone {2-Pro	opanone}	No	Yes NA	No	
68476-86-8	Liquified petrole isobutane, n-bu	eum gas, sweetened {propane, itane}	No	No	No	
64742-47-8	Hydrotreated lig spirits)	ght distillate (petroleum, mineral	No	No	No	
1330-20-7	Xylene (mixed i	isomers) {Benzene, dimethyl-}	No	Yes NA	Yes	
100-41-4	Ethylbenzene	{Ethylbenzol; Phenylethane}	No	Yes NA	Yes	
112-34-5		ol monobutyl ether noxy)ethanol  {(a glycol ether)}	No	Νο	Yes-Cat. N230	
CAS #	Hazardous Co	mponents (Chemical Name)	Other US EPA	or State Lists		
67-64-1	Acetone {2-Pro	opanone}	TSCA: Invento	ry		
68476-86-8	Liquified petrole isobutane, n-bu	eum gas, sweetened   {propane, itane}	TSCA: Invento	ry		
64742-47-8	Hydrotreated lig spirits)	ght distillate (petroleum, mineral	TSCA: Invento	ry		
1330-20-7	Xylene (mixed i	isomers) {Benzene, dimethyl-}	{Benzene, dimethyl-} CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory			
100-41-4	Ethylbenzene	{Ethylbenzol; Phenylethane}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory CA PROP.65: Yes: Canc.			
112-34-5		ol monobutyl ether noxy)ethanol  {(a glycol ether)}	CAA HAP,ODC: Yes - Cat. TSCA: Inventory			
Additional Re Information	egulatory	This product is regulated by and is subject to certain labor Act. These requirements dif required for safety data she information, including direct using the product.	eling requiremer fer from the clas ets (SDS). The p	nts under the Feder sification criteria ar product label also ir	al Hazardous Substances nd hazard information ncludes other important	
		16. OTHER IN	FORMATI	ON		
Revision Dat	e:	06/28/2022	Previous	revision:	02/10/2020	
Preparer Nan	ne:	W.M. Barr EHS Dept (90 <sup>2</sup>	1)775-0100			
Additional In This Product	formation Abo	ut				
Company Po Disclaimer:	licy or	The information contained h as of the effective date show any kind. Employers should information gathered by the and completeness of inform materials and the safety and must be determined by the local laws and regulations.	vn above. This i I use this inform m and must mak ation from all so I health of emplo	nformation is furnis ation only as a sup te independent dete urces to assure pro byees. Any use of	shed without warranty of plement to other ermination of suitability oper use of these this data and information	
Licensed to M/M	Parr and Company	r MIRS MSDS (c) A V Systems Inc.			GUS format	