

SAFETY DATA SHEET

Goof Off Professional Strength VOC Compliant

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Printed: 08/06/2014
Revision: 08/06/2014
Supersedes Revision: 11/26/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Goof Off Professional Strength VOC Compliant
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Phone Number: (901)775-0100
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
Product Category: General Purpose Adhesive Remover
Intended Use: Mult-Purpose Remover for tar, ink, paint, adhesive, etc.
Synonyms: FG603, FG603BULK, FG612, FG650, FG650SK, FG651, FG651BULK, FG651BULK2, FG651BULK3, FG653, FG653B, FG653BBLK, FG654, FG654BWS, FG655B, FG655BUL, FG655BWS, FG657, FG683, FG690, FG750, 2410B.3, FG650LWS, FG650LDS

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2
Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Target Organ Systemic Toxicity (single exposure), Category 3



GHS Signal Word: Danger

GHS Hazard Phrases: H225: Highly flammable liquid and vapor.
H332: Harmful if inhaled.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

GHS Precaution Phrases: P233: Keep container tightly closed.
P210: Keep away from {heat/sparks/open flames/hot surfaces}. - No smoking.
P280: Wear protective gloves/clothing and eye/face protection as specified by the manufacturer/supplier or the competent authority.
P240: Ground/bond container and receiving equipment - if the explosive is electrostatically sensitive.
P241: Use explosion-proof electrical/ventilating/lighting/... equipment ... other specified by the manufacturer/supplier or the competent authority. - if dust clouds can occur.
P243: Take precautionary measures against static discharge.
P242: Use only non-sparking tools.
P271: Use only outdoors or in a well-ventilated area.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P362+364: Take off contaminated clothing and wash it before reuse.
P264: Wash hands thoroughly after handling.

GHS Response Phrases: P370+378: In case of fire, use ... for extinction ... appropriate media specified by the manufacturer/supplier or the competent authority - if water increases risk.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated

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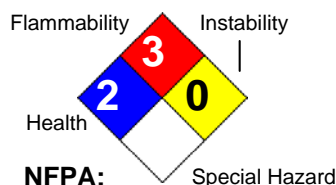
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clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P321: Specific treatment (see ... on this label) ... reference to supplemental first aid instruction - if immediate administration of antidote is required.
P332+313: If skin irritation occurs, get medical advice/attention.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.
P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
P403+235: Store in cool/well-ventilated place.
P501: Dispose of contents/container to ... (in accordance with local/regional/national/international regulation).
P405: Store locked up.
P403+233: Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.

GHS Storage and Disposal Phrases:

Hazard Rating System:

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL		0
PPE	X	



HMIS:

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

This product has not been tested as a whole to determine health effects. The health effects listed below are associated with the individual ingredients listed in Section 3.

INHALATION:

High vapor concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, loss of consciousness and even death). Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or fatal.

EYES:

High vapor concentrations may cause irritation of the eyes. Causes eye irritation.

SKIN:

Prolonged or repeated contact may cause drying, cracking, or irritation.

INGESTION:

Harmful or fatal if swallowed. Pulmonary aspiration hazard. Ingestion may cause nausea, vomiting, diarrhea and inflammation of the lungs. Irritating to the throat, mouth, and stomach. May produce central nervous system effects, which include dizziness, loss of balance and coordination, unconsciousness, coma and even death.

CHRONIC OVEREXPOSURE EFFECTS:

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or fatal. Overexposure may cause liver and kidney injury.

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TARGET ORGANS: liver, kidneys, central nervous system

PRIMARY ROUTES OF ENTRY: inhalation, ingestion, absorption

Medical Conditions Generally The following diseases or disorders may be aggravated by exposure to this product:
Aggravated By Exposure: skin, eye, liver, kidney, nervous system, respiratory system

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
67-64-1	Acetone {2-Propanone}	60.0 -100.0 %	AL3150000
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	10.0 -30.0 %	ZE2100000
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	< 4.0 %	DA0700000

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Skin:

Immediately begin washing the skin thoroughly with large amounts of water and mild soap, if available, while removing contaminated clothing. Seek medical attention if irritation persists.

Eyes:

Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes, then seek immediate medical attention.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion:

If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration.

Signs and Symptoms Of Exposure:

See Potential Health Effects.

Note to Physician:

Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

Flash Pt: NFPA Class IB
-4.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam and/or water fog.

Unsuitable Extinguishing Media: None known.

Fire Fighting Instructions: Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

Flammable Properties and Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, sparks, flame, and other ignition sources distant from material

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Flammability Classification:

handling point.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Vapors may cause flash fire or ignite explosively.

Clean up: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways and bodies of water. Be cautious of vapors collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc.

Small spills: Take up with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable.

Large spills: Dike far ahead of spill for later disposal.

Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.

Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.

Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

Precautions To Be Taken in Storing:

Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

Other Precautions:

Keep away from heat, sparks and open flame. No smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-64-1	Acetone {2-Propanone}	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm	No data.

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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. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.
Eye Protection:	Chemical goggles, also wear a face shield if a splashing hazard exists.
Protective Gloves:	Appropriate chemical resistant gloves should be worn, such as nitrile rubber. Wear gloves with as much resistance to the chemical ingredients as possible. Other glove materials may provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.
Other Protective Clothing:	To prevent skin contact wear protective clothing covering all exposed areas.
Engineering Controls (Ventilation etc.):	Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons to minimize exposure. 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.
Work/Hygienic/Maintenance Practices:	Wash hands thoroughly after use and before eating, drinking, smoking, or using the restroom. Do not eat, drink, or smoke in the work area. Discard any clothing or other protective equipment that cannot be decontaminated. Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Water white, free and clear.
Melting Point:	No data.
Boiling Point:	150.00 F
Autoignition Pt:	No data.
Flash Pt:	-4.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	0.797 - 0.8021
Density:	6.65 LB/GL
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	> 1
Evaporation Rate:	> 1
Solubility in Water:	Slight
Viscosity:	< 5 cps
Percent Volatile:	100.0 % by weight.
VOC / Volume:	20.0000 % WT

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Additional Physical Information VOC (g/L): 161 g/L max

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: Strong oxidizing agents.
Hazardous Decomposition Or Byproducts: Carbon monoxide, carbon dioxide.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Information below will be for individual ingredients.

CAS# 67-64-1:
Mutagenicity:, Mutation test: Cytogenetic analysis., Species: Hamster, 40.00 GM/L, Cell Type: fibroblast.
Result:
Behavioral: Coma.
Gastrointestinal: Alteration in gastric secretion.
- Food and Chemical Toxicology., Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, Vol/p/yr: 22,623, 1984

Acute toxicity, LD50, Oral, Rat, 5800. MG/KG.
Result:
Behavioral: Altered sleep time (including change in righting reflex).
Behavioral: Tremor.
- Journal of Toxicology and Environmental Health., Hemisphere Pub., 1025 Vermont Ave., NW, Washington, DC 20005, Vol/p/yr: 15,609, 1985

Acute toxicity, LC50, Inhalation, Rat, 50100. MG/M3, 8 H.
Result:
Behavioral: Convulsions or effect on seizure threshold.
Behavioral: Coma.
Nutritional and Gross Metabolic:Changes in:Body temperature decrease.
- American Industrial Hygiene Association Journal., AIHA, 475 Wolf Ledges Pkwy., Akron, OH 44311, Vol/p/yr: 20,364, 1959

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H, Mild.
Result:
Nutritional and Gross Metabolic:Weight loss or decreased weight gain.
- Prehled Prumyslove Toxikologie, Marhold, J., Organicke Latky, Prague Czechoslovakia, Vol/p/yr: -,280, 1986

Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.

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**Chronic Toxicological
Effects:**

Result:

Behavioral: Change in motor activity (specific assay).

Behavioral: Alteration of classical conditioning.

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, 24 H, Moderate.

Result:

Behavioral: Change in motor activity (specific assay).

Behavioral: Alteration of classical conditioning.

- Prehled Prumyslove Toxikologie, Marhold, J., Organicke Latky, Prague Czechoslovakia, Vol/p/yr: -,280, 1986

CAS# 1330-20-7:

Acute toxicity, LD50, Oral, Rat, 4300. MG/KG.

Result:

Liver: Other changes.

Kidney, Ureter, Bladder:Other changes.

- AMA Archives of Industrial Health., For publisher information, see AEHLAU, Chicago, IL, Vol/p/yr: 14,387, 1956

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

Acute toxicity, LD50, Skin, Species: Rabbit, 1700. MG/KG.

Result:

Kidney, Ureter, Bladder: Changes in bladder weight.

Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:

Transaminases.

- 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, Skin, Species: Rabbit, 500.0 MG, 24 H, Moderate.

Result:

Reproductive: Other effects on female.

Effects on Newborn: Other neonatal measures or effects.

Effects on Embryo or Fetus: Other effects to embryo.

- "Sbornik Vysledku Toxikologickeho 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

Standard Draize Test, Eyes, Species: Rabbit, 5.000 MG, 24 H, Severe.

Result:

Behavioral: General anesthetic.

Behavioral: Somnolence (general depressed activity).

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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:

Mutagenicity:, Mutation test: Mutation in mammalian somatic cells., Mouse, 80.00 MG/L, Cell Type: lymphocyte..

Result:

Behavioral: Alteration of operant conditioning.

Behavioral: Changes in psychophysiological tests.

- Environmental and Molecular Mutagenesis., Alan R. Liss, Inc., 41 E. 11th St, New York, NY 10003, Vol/p/yr: 12,85, 1988

Acute toxicity, LD50, Oral, Rat, 3500. MG/KG.

Result:

Liver: Other changes.

Kidney, Ureter, Bladder:Other changes.

- AMA Archives of Industrial Health., For publisher information, see AEHLAU, Chicago, IL, Vol/p/yr: 14,387, 1956

Acute toxicity, LD50, Skin, Species: Rabbit, 17800. UL/KG.

Result:

Effects on Newborn: Physical.

Effects on Newborn: Other postnatal measures or effects.

- Food and Cosmetics Toxicology., For publisher information, see FCTOD7, London United Kingdom, Vol/p/yr: 13,803, 1975

Acute toxicity, LC50, Inhalation, Rabbit, 4000. ppm.

Result:

Behavioral: Ataxia.

Behavioral: Alteration of classical conditioning.

Open irritation test., Skin, Species: Rabbit, 15.00 MG, 24 H, Mild.

Result:

Effects on Newborn: Viability index (e.g., # alive at day {4} per # born alive).

Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day {4}).

Effects on Newborn: Biochemical and metabolic.

- American Industrial Hygiene Association Journal., AIHA, 475 Wolf Ledges Pkwy., Akron, OH 44311, Vol/p/yr: 23,95, 1962

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

Contains ethylbenzene, which has been determined by NTP to be an animal carcinogen

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Carcinogenicity/Other Information:	<p>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.</p> <p>ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans</p> <p>ACGIH A4 - Not Classifiable as a Human Carcinogen</p> <p>IARC 2B - Possibly Carcinogenic to Humans</p> <p>IARC 3: Not Classifiable as to Carcinogenicity in Humans.</p>				
CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	n.a.	3	A4	n.a.
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	n.a.	2B	A3	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information:	This product has not been tested as a whole. Information below will be for individual ingredients.				
Results of PBT and vPvB assessment:	<p>CAS# 67-64-1:</p> <p>LC50, Fathead Minnow (Pimephales promelas), 9500000. UG/L, 24 H, Mortality, Water temperature: 23.20 C - 27.70 C C, pH: 7.10, Hardness: 53.60 MG/L.</p> <p>Result:</p> <p>Sex Effects.</p> <p>- Estimates of "No Effect" Concentrations of Selected Pesticides in Freshwater Organisms, Call, D.J., L.T. Brooke, and N. Ahmad, 1981</p> <p>LC50, Fathead Minnow (Pimephales promelas), 9000000. UG/L, 48 H, Mortality, Water temperature: 23.20 C - 27.70 C C, pH: 7.10, Hardness: 53.60 MG/L.</p> <p>Result:</p> <p>Age Effects.</p> <p>- Estimates of "No Effect" Concentrations of Selected Pesticides in Freshwater Organisms, Call, D.J., L.T. Brooke, and N. Ahmad, 1981</p> <p>LC50, Fathead Minnow (Pimephales promelas), juvenile(s), 100000. UG/L, 96 H, Mortality, Water temperature: 20.00 C C, pH: 8.50.</p> <p>Result:</p> <p>Affected fish became hypoactive.</p> <p>Affected fish lost equilibrium prior to death.</p> <p>- Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species, Ewell, W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel, 1986</p> <p>LC50, Water Flea (Daphnia magna), 10000. UG/L, 24 H, Mortality, Water temperature: 21.00 C - 25.00 C C.</p> <p>Result:</p> <p>Age Effects.</p> <p>- Toxicity of Selected Chemicals to Certain Animals, Dowden, B.F., and H.J. Bennett, 1965</p> <p>LC50, Water Flea (Daphnia magna), 10000. UG/L, 48 H, Mortality, Water temperature: 21.00 C - 25.00 C C.</p> <p>Result:</p> <p>Age Effects.</p> <p>- Toxicity of Selected Chemicals to Certain Animals, Dowden, B.F., and H.J. Bennett,</p>				

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1965

LC50, Water Flea (*Daphnia magna*), larva(e), 100000. UG/L, 96 H, Mortality, Water temperature: 20.00 C C, pH: 8.50.

Result:

Age Effects.

- Simultaneous Evaluation of the Acute Effects of Chemicals on Seven Aquatic Species, Ewell, W.S., J.W. Gorsuch, R.O. Kringle, K.A. Robillard, and R.C. Spiegel, 1986

CAS# 1330-20-7:

LC50, Fathead Minnow (*Pimephales promelas*), 13400. UG/L, 96 H, Mortality, Water temperature: 24.00 C C, pH: 7.30, Hardness: 47.30 MG/L.

Result:

Affected fish stopped schooling behavior.

- Acute Toxicities of Organic Chemicals to Fathead Minnows (*Pimephales promelas*), Volume 5, Geiger, D.L., L.T. Brooke, and D.J. Call, 1990

LC50, Fathead Minnow (*Pimephales promelas*), 28770. UG/L, 24 H, Mortality, Water temperature: 25.00 C C, pH: 7.50, Hardness: 20.00 MG/L.

Result:

Age Effects.

- Acute Toxicity of Some Important Petrochemicals to Fish, Pickering, Q.H., and C. Henderson, 1966

LC50, Fathead Minnow (*Pimephales promelas*), 27710. UG/L, 48 H, Mortality, Water temperature: 25.00 C C, pH: 7.50, Hardness: 20.00 MG/L.

Result:

Age Effects.

- Acute Toxicity of Some Important Petrochemicals to Fish, Pickering, Q.H., and C. Henderson, 1966

LC50, Water Flea (*Daphnia magna*), 100000. - 1000000. UG/L, 24 H, Mortality, Water temperature: 21.00 C - 25.00 C C.

Result:

Age Effects.

- Toxicity of Selected Chemicals to Certain Animals, Dowden, B.F., and H.J. Bennett, 1965

CAS# 100-41-4:

LC50, Fathead Minnow (*Pimephales promelas*), 9090. UG/L, 96 H, Mortality, Water temperature: 22.30 C C, pH: 7.20, Hardness: 50.00 MG/L.

Result:

Affected fish stopped schooling behavior.

Affected fish became hypoactive.

Fish were underreactive to external stimuli.

Affected fish lost equilibrium prior to death.

- Acute Toxicities of Organic Chemicals to Fathead Minnows (*Pimephales promelas*), Volume 5, Geiger, D.L., L.T. Brooke, and D.J. Call, 1990

LC50, Fathead Minnow (*Pimephales promelas*), 48510. UG/L, 48 H, Mortality, Water temperature: 25.00 C C, pH: 7.50, Hardness: 20.00 MG/L.

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Result:

Affected fish stopped schooling behavior.

- Acute Toxicity of Some Important Petrochemicals to Fish, Pickering, Q.H., and C. Henderson, 1966

LC50, Fathead Minnow (*Pimephales promelas*), 42330. UG/L, 24 H, Mortality, Water temperature: 25.00 C C, pH: 8.20, Hardness: 360.00 MG/L.

Result:

Affected fish stopped schooling behavior.

- Acute Toxicity of Some Important Petrochemicals to Fish, Pickering, Q.H., and C. Henderson, 1966

LC50, Water Flea (*Daphnia magna*), 77000. UG/L, 24 H, Mortality, Water temperature: 22.00 C C, pH: 8.10, Hardness: 72.00 MG/L.

Result:

Affected fish became hypoactive.

Affected fish lost equilibrium prior to death.

- Acute Toxicity of Priority Pollutants to Water Flea (*Daphnia magna*), LeBlanc, G.A., 1980

LC50, Water Flea (*Daphnia magna*), neonate, 13900. UG/L, 48 H, Mortality, Water temperature: 20.00 C - 21.50 C C, pH: 8.20.

Result:

Age Effects.

- The Comparative Toxicity of Crude and Refined Oils to *Daphnia magna* and *Artemia*, MacLean, M.M., and K.G. Doe, 1989

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of waste at an approved hazardous waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations.

Do not place material in general trash.

Do not allow material to enter bodies of water or sewers.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Paint Related Material

DOT Hazard Class: 3 FLAMMABLE LIQUID

UN/NA Number: UN1263

Packing Group: II



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Paint Related Material

Additional Transport Information:

The shipper/supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

For D.O.T. information, contact W.M. Barr Technical Services at 1-800-398-3892.

SAFETY DATA SHEET
Goof Off Professional Strength VOC Compliant

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Supersedes Revision: 11/26/2013

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-64-1	Acetone {2-Propanone}	No	Yes 5000 LB	No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes 100 LB	Yes
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	No	Yes 1000 LB	Yes

This material meets the EPA ☒ Yes ☐ No Acute (immediate) Health Hazard
'Hazard Categories' defined ☒ Yes ☐ No Chronic (delayed) Health Hazard
for SARA Title III Sections ☒ Yes ☐ No Fire Hazard
311/312 as indicated: ☐ Yes ☒ No Sudden Release of Pressure Hazard
☐ Yes ☒ No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-64-1	Acetone {2-Propanone}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 4 Test; CA PROP.65: Yes

Regulatory Information:

Regulatory Information Statement: All components of this material are listed on the TSCA Inventory or are exempt.

16. OTHER INFORMATION

Revision Date: 08/06/2014
Preparer Name: W.M. Barr EHS Dept (901)775-0100
Additional Information About No data available.

This Product:

Company Policy or Disclaimer: The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.