



SAFETY DATA SHEET

Product: MARC 113 WRITE-OFF GEL VANDALISM MARK REMOVER
Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 113 WRITE-OFF GEL VANDALISM MARK REMOVER**

SDS DATE: 07/14/2022

SUPPLIER: Mid-American Research Chemical Corp.
PHONE: 402-564-7104 FAX: 402-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
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ADDRESS: P. O. Box 927 • Columbus, NE 68602-0927

RECOMMENDED USE: Remove graffiti markings.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flam. Gas 1; Flam. Aerosol; Skin Irrit. 2; Eye Irrit. 2A; Repr. 2; STOT SE 3; STOT RE 2; Asp. Tox. 1.



Signal word: Danger. Hazard statements: Extremely flammable gas. Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Precautionary statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, open flames, sparks. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection, face protection. If swallowed: Immediately call a doctor, a POISON CENTER. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a doctor, a POISON CENTER if you feel unwell. Get medical advice/attention if you feel unwell. Specific treatment (see first aid on this label). Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Leaking gas fire: Do not extinguish unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Store in a well-ventilated place. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container to comply with local/regional/national/international regulations

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	%	GHS-US classification
toluene	(CAS No) 108-88-3	20 - 40	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
butane	(CAS No) 106-97-8	2.5 - 10	Flam. Gas 1, H220 Compressed gas, H280
propane	(CAS No) 74-98-6	2.5 - 10	Flam. Gas 1, H220 Compressed gas, H280
Glycol Ether EB	(CAS No) 111-76-2	2.5 - 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304
2-(2-butoxyethoxy) ethanol, diethylene glycol monobutyl ether	(CAS No) 112-34-5	2.5 - 10	Eye Irrit. 2A, H319
acetone, propan-2-one, propanone	(CAS No) 67-64-1	2.5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
OLEIC ACID	(CAS No) 112-80-1	1 - 2.5	Not classified
sodium hydroxide	(CAS No) 1310-73-2	0.1 - 1	Met. Corr. 1, H290 Skin Corr. 1A, H314

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.



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SECTION 4: FIRST AID MEASURES

First-aid measures general-- If breathing is difficult, give oxygen. Get immediate medical attention. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. show this sheet where possible. Keep watching the victim. Keep victim warm and rested. First-aid measures after inhalation: Remove the victim into fresh air. Artificial respiration and/or oxygen if necessary. Get medical advice/attention if you feel unwell. First-aid measures after skin contact: Wash with water and soap. If skin irritation or rash occurs: Get medical advice/attention. First-aid measures after eye contact: Rinse with water. If eye irritation persists: Get medical advice/attention. First-aid measures after ingestion: Rinse mouth with water. Get medical attention immediately if symptoms occur. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries: May cause drowsiness or dizziness. Headache, nausea, vomiting. Irritation to throat. Irritation of the nasal mucous membranes. Aspiration may cause pulmonary edema and pneumonitis. Causes serious eye irritation. Causes skin irritation. Indication of any immediate medical attention and special treatment needed Treat symptomatically. Keep watching the victim. Symptoms may be delayed.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Powder, foam, carbon dioxide. Unsuitable extinguishing media: Do not use a water jet since it may cause the fire to spread. Special hazards arising from the substance or mixture-- Fire hazard: May liberate toxic gases. Extremely flammable aerosol. Explosion hazard: Contents under pressure. Contains gas under pressure; may explode if heated. Reactivity: Reacts violently with strong acids. This product may react with oxidizing agents. Firefighting instructions: In case of fire and/or explosion do not breathe fumes. Move containers away from the fire area if this can be done without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Cool tanks/drums with water spray/remove them into safety.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General measures: Evacuate unnecessary personnel. Special attention should be given to low areas/pits where flammable vapors can accumulate. Stay upwind/keep distance from source. For non-emergency personnel-- Protective equipment: Do not enter without an appropriate protective equipment. Emergency procedures: Ventilate spillage area. DO NOT touch spilled material. Advice local authorities if considered necessary. For emergency responders-- Emergency procedures: Stop leak if safe to do so. Stop release. Ventilate area. Environmental precautions Do not allow to enter drains or water courses. Prevent entry to sewers and public waters. Avoid release to the environment. Advice local authorities if considered necessary. Methods and material for containment and cleaning up-- For containment: Eliminate every possible source of ignition. NO open flames, NO sparks, and NO smoking. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if safe to do so. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent the product from entering drains or confined areas. Methods for cleaning up: Clean contaminated surfaces with a soap solution. Take up liquid spill into absorbent material. Dispose as hazardous waste. For further information refer to section 8: Exposure-controls/personal protection.

SECTION 7: HANDLING AND STORAGE

Additional hazards when processed: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Precautions for safe handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not spray on a naked flame or any incandescent material. Do not smoke while handling product. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground/bond container and receiving equipment. Do not breathe gas. Do not eat, drink or smoke when using this product. Avoid prolonged and repeated contact with skin. Wear recommended personal protective equipment. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Hygiene measures: Use good personal hygiene practices. Conditions for safe storage, including any incompatibilities-- Technical measures: Pressurized container. Do not puncture, incinerate or crush. Take precautionary measures against static discharge. Must not come into contact with food or be consumed. Storage conditions: Store locked up. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Refrigerate. Incompatible products: acids, strong oxidizing agents, oxidizing agents, nitrates, fluorine, chlorine. Incompatible materials: Heat sources. Open flame. Keep away from any possible contact with water, because of violent reaction and possible flash fire. Storage area: Aerosol 2. Special rules on packaging: meet the legal requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

butane (106-97-8)		
ACGIH	ACGIH TWA (ppm)	1000 ppm
ACGIH	ACGIH STEL (ppm)	1000 ppm

50 ppm



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propane (74-98-6)		
ACGIH	ACGIH TWA (ppm)	1000 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	1800 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
toluene (108-88-3)		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Visual impair; female repro;
OSHA	Remark (OSHA)	(2) See Table Z-2.
2-(2-butoxyethoxy) ethanol, diethylene glycol monobutyl ether (112-34-5)		
ACGIH	ACGIH TWA (ppm)	10 ppm
Glycol Ether EB (111-76-2)		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr
OSHA	OSHA PEL (TWA) (mg/m ³)	240 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm
acetone, propan-2-one, propanone (67-64-1)		
ACGIH	ACGIH TWA (ppm)	250 ppm
ACGIH	ACGIH STEL (ppm)	500 ppm
ACGIH	Remark (ACGIH)	eye irr; CNS impair; BEI
OSHA	OSHA PEL (TWA) (mg/m ³)	2400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

Appropriate engineering controls: Ensure good ventilation of the workstation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Personal protective equipment: Use appropriate personal protective equipment when risk assessment indicates this is necessary. Protective goggles. Gloves. Protective clothing. apron. Hand protection: Gloves. Eye protection: Chemical goggles or safety glasses. Skin and body protection: Wear chemical protective equipment that is specifically recommended by the manufacturer. Use of an impervious apron is recommended. It may provide little or no thermal protection. Respiratory protection: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. Thermal hazard protection: Use appropriate personal protective equipment when risk assessment indicates this is necessary. Consumer exposure controls: Wash hands and other exposed areas with mild soap and water before eating, drink or smoke and when leaving work. Avoid contact with eyes, skin and clothing. Keep away from food and drink. When using do not smoke. Use good personal hygiene practices. Take off contaminated clothing and wash it before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

PHYSICAL STATE:	Gas.	
FORM:	Aerosol.	
COLOR:	Tan.	
ODOR:	Solvent.	
ODOR THRESHOLD:	Not available.	
pH:	12.5 – 13.4	
MELTING/FREEZING POINT:	Not available.	
INITIAL BOILING POINT/RANGE:	194°F estimated.	
FLASH POINT/METHOD USED:	Not available	
EVAPORATION RATE:	Not available.	
FLAMMABILITY (solid, gas):	Not available	
FLAMMABILITY LIMITS (%):	LOWER: Not available.	UPPER: Not available.
FLAMMABILITY EXPLOSIVE (%):	LOWER: Not available.	UPPER: Not available.
VAPOR PRESSURE (mmHg):	Not available	
VAPOR DENSITY (AIR = 1):	Not available.	
RELATIVE DENSITY:	Not available.	
SPECIFIC GRAVITY (H₂O = 1):	0.765 estimated	
SOLUBILITY IN WATER:	Not available.	



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SECTION 10: STABILITY AND REACTIVITY

Reactivity: Reacts violently with strong acids. This product may react with oxidizing agents. Chemical stability: Stable under normal conditions. Possibility of hazardous reactions: Hazardous polymerization does not occur. Conditions to avoid: Heat. No flames. No sparks. Eliminate all sources of ignition. Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point. Incompatible materials: Do not mix with other chemicals, strong oxidizing agents, nitrates, fluorine, caustic products, chlorine. Hazardous decomposition products: No additional information available.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: Not classified.

Glycol Ether EB (111-76-2)	
LD50 oral rat	1300 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	1300.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.500 mg/l/4h
sodium hydroxide (1310-73-2)	
LD50 oral rat	>= ml/kg

Skin corrosion/irritation: Causes skin irritation. pH: 12.5 - 13.4.

Serious eye damage/irritation: Causes serious eye irritation. pH: 12.5 - 13.4.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

toluene (108-88-3)	
IARC group	3 - Not Classifiable

Glycol Ether EB (111-76-2)	
IARC group	3 - Not Classifiable

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Glycol Ether EB (111-76-2)	
NOAEL (oral-rat,90 days)	see comments
NOAEL (dermal-rat/rabbit,90 days)	see comments

Aspiration hazard: May be fatal if swallowed and enters airways.

Likely routes of exposure: Skin and eyes contact, inhalation, ingestion.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Glycol Ether EB (111-76-2)	
LC50 fish 1	1474 mg/l <i>Oncorhynchus mykiss</i>
EC50 Daphnia 1	100 mg/l Water flea
ErC50 (algae)	1840 mg/l <i>Pseudokirchneriella subcapitata</i>
NOEC chronic fish	> 100 mg/l
NOEC chronic crustacea	100 mg/l daphnid

Persistence and degradability

sodium hydroxide (1310-73-2)	
Persistence and degradability	Biodegradability: not applicable. No test data on mobility of the components available.

Bioaccumulative potential

sodium hydroxide (1310-73-2)	
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Bioaccumulative potential

Does not contain bioaccumulative component(s).

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Dispose of contents/container to comply with local/regional/national/international regulations. Additional information: Do not re-use empty containers. Handle unclean empty containers as full ones.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZE(S): Aerosol Can
 PROPER SHIPPING NAME: CLEANING COMPOUND.
 HAZARD CLASS: N/A
 ID NUMBER: None
 PACKING GROUP: None
 LABEL STATEMENT: LTD QTY

SECTION 15: REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Toluene	CAS No 108-88-3	20 - 40%
Glycol Ether EB	CAS No 111-76-2	2.5 - 10%
2-(2-butoxyethoxy) ethanol, diethylene glycol monobutyl ether butane (106-97-8)	CAS No 112-34-5	2.5 - 10%
Not listed on SARA Section 313 (Specific toxic chemical listings)		

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

propane (74-98-6)	
Not listed on SARA Section 313 (Specific toxic chemical listings)	
toluene (108-88-3)	
Listed on SARA Section 313 (Specific toxic chemical listings)	
CERCLA RQ	1000 lb
sodium hydroxide (1310-73-2)	
Not listed on SARA Section 313 (Specific toxic chemical listings)	
CERCLA RQ	1000 lb
acetone, propan-2-one, propanone (67-64-1)	
Not listed on SARA Section 313 (Specific toxic chemical listings)	
CERCLA RQ	5000 lb

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 2; Flammability = 2; Reactivity = 0.

N/A = Not Applicable, N/D = Not Determined, N/E = Not Established.

DISCLAIMER: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of these data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.