

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Rust Aid Rust Converter Aerosol	
Company Name:	W. M. Barr 2105 Channel Avenue Memphis, TN 38113	Phone Number: (901)775-0100
Web site address:	www.wmbarr.com	
Emergency Contact Information:	3E 24 Hour Emergency Contact W.M. Barr Customer Service	(800)451-8346 (800)398-3892
Intended Use:	Turns rust to black primer and inhibits further corrosion.	
Synonyms:	ERC22, ERC22A	
Additional Information	This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.	

2. HAZARDS IDENTIFICATION

Flammable Aerosols, Category 1
Gas Under Pressure, Liquefied gas
Skin Corrosion/Irritation, Category 1A
Serious Eye Damage/Eye Irritation, Category 2
Specific Target Organ Toxicity (single exposure), Category 3
Simple Asphyxiant



GHS Signal Word:	Danger
GHS Hazard Phrases:	H222: Extremely flammable aerosol. H280: Containers gas under pressure; may explode if heated. H314: Causes severe skin burns and eye damage. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.
GHS Precaution Phrases:	P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P211: Do not spray on an open flame or any other ignition source. P251: Pressurized container: Do not pierce or burn, even after use. P260: Do not breathe gas/mist/vapors/spray. P264: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases:	P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated 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. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P321: Specific treatment see label. P337+313: If eye irritation persists, get medical advice/attention.

SAFETY DATA SHEET

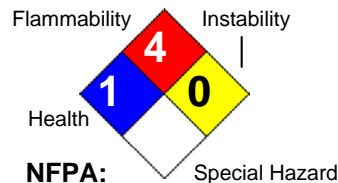
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GHS Storage and Disposal Phrases:

P363: Wash contaminated clothing before reuse.
P403+233: Store container tightly closed in well-ventilated place.
P405: Store locked up.
P410+403: Protect from sunlight and store in well-ventilated place.
P412: Do not expose to temperatures exceeding 50 °C/122 °F.
P501: Dispose of contents/container according to local, state and federal regulations.

Hazard Rating System:

HEALTH	*	1
FLAMMABILITY		4
PHYSICAL		0
PPE		X

**HMIS:****OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):**SKIN CONTACT:**

Moderately irritating to the skin. Prolonged or repeated contact can result in defatting, drying, and cracking of the skin which may result in skin irritation, inflammation, and dermatitis (rash).

EYE CONTACT:

May cause moderate to severe irritation. Symptoms may include: eye irritation, burning sensation, pain, watering, and/or change of vision.

INHALATION:

High concentrations may lead to central nervous system (CNS) effects (drowsiness, dizziness, nausea, headaches, uncoordinated or strange behavior, paralysis and loss of consciousness and even death) Other symptoms might include nasal discharge, hoarseness, coughing, chest pain, and breathing difficulty. High vapor concentrations are irritating to the eyes, nose, throat, and lungs.

INGESTION:

Product may be harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. May produce central nervous system effects, which may include dizziness, loss of balance and coordination, nausea, headache, unconsciousness, coma 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.

TARGET ORGANS / SYSTEMS:

eye, skin, respiratory system, central nervous system, blood, kidneys, liver

ROUTES OF EXPOSURE: inhalation, skin contact, ingestion

Medical Conditions Generally Aggravated By Exposure:

May adversely affect people with acute or chronic disease of the: skin, eye, lung (asthma-like conditions), central nervous system

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
115-10-6	Methyl ether {Dimethyl ether}	60.0 -100.0 %	PM4780000
67-64-1	Acetone {2-Propanone}	30.0 -60.0 %	AL3150000
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	15.0 -40.0 %	EL6475000
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	7.0 -13.0 %	KJ8575000
64-18-6	Formic acid {Hydrogenecarboxylic acid; Methanoic acid}	Trade Secret	LQ4900000

Additional Chemical Information Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

INHALATION:
 If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT:
 Immediately wash with soap and large quantities of water. Seek medical attention if irritation from contact persists.

EYE CONTACT:
 Immediately flush with water, remove any contact lens, continue flushing with water for at least 15 minutes, then get medical attention immediately.

INGESTION:
 Do not induce vomiting, unless directed to by medical personnel. Call your poison control center, hospital, emergency room, or physician immediately for instructions. Do not give anything by mouth to an unconscious person.

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: Level 3 Aerosol
 < 20.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits: LEL: n/d UEL: n/d

Autoignition Pt: NA

Suitable Extinguishing Media: Dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media: None known.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). 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. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

Flammable Properties and FLASHPOINT OF LIQUID CONCENTRATE: <20 F

Flammability Classification:

Hazards:

FLASHPOINT OF PROPELLANT: -42 F

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 puncture or incinerate.

Avoid breathing of vapors or mist and contact with skin, eyes and clothing. Do not take internally.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
115-10-6	Methyl ether {Dimethyl ether}	No data.	No data.	No data.
67-64-1	Acetone {2-Propanone}	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	PEL: 200 ppm	TLV: 200 ppm STEL: 300 ppm	No data.
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol	PEL: 50 ppm	TLV: 20 ppm	No data.

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n-butyl ether, (a glycol ether)}

64-18-6

Formic acid {Hydrogenecarboxylic acid;
Methanoic acid}

PEL: 5 ppm

TLV: 5 ppm

No data.

STEL: 10 ppm

**Respiratory Equipment
(Specify Type):**

Use only with adequate ventilation to prevent buildup of vapors. Do not use this product if the work area is not well ventilated.

For respirator use, wear a properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors.

For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV.

A dust mask does not provide protection against vapors.

Eye Protection:

Wear chemical splash goggles to prevent contact with the eyes.

Protective Gloves:

For use as directed, wear gloves with as much resistance to the chemical ingredients as possible. Laminated film gloves offer the best protection. Other glove materials such as nitrile, supported PVA, and rubber 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.

Hand protection during spill cleanup or emergency conditions will need to be evaluated based on conditions of use.

Other Protective Clothing:

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

**Engineering Controls
(Ventilation etc.):**

Use only with adequate ventilation to prevent buildup of vapors. Do not use this product if the work area is not well ventilated.

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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:**

Wash hands thoroughly after use and before eating, drinking, or smoking.

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:	[X] Gas [X] Liquid [] Solid
Appearance and Odor:	Clear to slight haze.
Melting Point:	NA
Boiling Point:	NA
Decomposition Temperature:	NA
Autoignition Pt:	NA
Flash Pt:	< 20.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: n/d UEL: n/d
Specific Gravity (Water = 1):	7.06
Density:	7.05 LB/GA
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Evaporation Rate:	NA
Solubility in Water:	NA
pH:	NA
Percent Volatile:	93.0 % by weight.
VOC / Volume:	64.0000 % WT
Additional Physical Information	MRI: 0.91

10. STABILITY AND REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	No data available.
Incompatibility - Materials To Avoid:	Strong acids and oxidizers, strong alkalis, strong inorganic acids, amines, copper or copper alloys, or pyridines. Acetone may form explosive mixtures with chromic anhydride, chromyl alcohol, hexachloromelamine, hydrogen peroxide, permonosulfuric acid, potassium tertbutoxide, and thioglycol.
Hazardous Decomposition or Byproducts:	Oxides of carbon, aldehydes, ketones, organic liquids. Carbon monoxide and carbon dioxide/pyrolysis will produce pyrogalllic acid, a poison.
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. Refer to section 2 for acute and chronic health effects.
Chronic Toxicological Effects:	CAS# 67-64-1: Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe. 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
	CAS# 78-93-3: Standard Draize Test, Eyes, Human, 350.0 PPM. Result: Behavioral: Anticonvulsant. - Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943
	CAS# 111-76-2: Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H. Result: Behavioral: Ataxia. Nutritional and Gross Metabolic: Weight loss or decreased weight gain. - Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 68,405, 1983
	Acute toxicity, LD50, Skin, Species: Rabbit, 220.0 MG/KG. Result: Effects on Embryo or Fetus: Extra embryonic structures (e.g., placenta, umbilical cord). Effects on Embryo or Fetus: Other effects to embryo. Specific Developmental Abnormalities: Musculoskeletal system. - Dow Chemical Company Reports., Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46,
	Acute toxicity, LD50, Oral, Rat, 250.0 mg/kg. Result: Lungs, Thorax, or Respiration: Changes in pulmonary vascular resistance.
	Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, Severe. Result: Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects. Effects on Newborn: Drug dependency. - American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946
	See Section 2.

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CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
115-10-6	Methyl ether {Dimethyl ether}	n.a.	n.a.	n.a.	n.a.
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	n.a.	n.a.	n.a.	n.a.
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	n.a.	3	A3	n.a.
64-18-6	Formic acid {Hydrogenecarboxylic acid; Methanoic acid}	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: No information available for this product as a whole.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Aerosols, flammable, LTD. QTY.

DOT Hazard Class: 2.1 FLAMMABLE GAS

UN/NA Number: 1950



Additional Transport Information: For domestic ground transportation, this product MAY be shipped as a Consumer Commodity, ORM-D.

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)
115-10-6	Methyl ether {Dimethyl ether}	No	No	No
67-64-1	Acetone {2-Propanone}	No	Yes 5000 LB	No
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	No	Yes 5000 LB	No
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	No	No	Yes-Cat. N230
64-18-6	Formic acid {Hydrogenecarboxylic acid; Methanoic acid}	No	Yes 5000 LB	Yes

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Acute (immediate) Health Hazard
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Chronic (delayed) Health Hazard
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Fire Hazard
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Sudden Release of Pressure Hazard
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
115-10-6	Methyl ether {Dimethyl ether}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
67-64-1	Acetone {2-Propanone}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No

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78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
64-18-6	Formic acid {Hydrogenecarboxylic acid; Methanoic acid}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

Regulatory Information:

16. OTHER INFORMATION

Revision Date: 05/12/2015

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.