



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: 29CFR1910.1200

Issue Date 14-Apr-2015

Revision Date 14-Apr-2015

Version 1

Product identifier

Product Name Chem Etch Rust Proofing Compound

Other means of identification

Product Code 84515

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Product designed to protect metal surfaces from the effects of environmental exposure.

Uses advised against Use with adequate ventilation. Keep airborne concentrations below legal and recommended limits.

Details of the supplier of the safety data sheet

Manufacturer Address:
Cem Etch Manufacturing Inc.
P.O Box 92423
Houston, TX 77292

Emergency telephone number

Company Phone Number 724 625 3116
Emergency Telephone Call CHEMTREC Day or Night:
Within USA and Canada: 1-800 424-9300
Outside USA and Canada: 1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Flammable liquid and vapor



Appearance Viscous **Physical state** Liquid **Odor** Solvent (Mineral Spirits)

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Keep away from heat/sparks/open flames/hot surfaces.
 Keep container tightly closed when product is not in use.
 Ground/bond container and receiving equipment
 Use explosion-proof electrical/ventilating/lighting/equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Get medical advice/attention if you feel unwell
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do NOT induce vomiting
 In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Mixture

This product is a mixture.
 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Common name Rust Proofing Compound.
Synonyms None.
Chemical nature Organic solvents and additives.

Chemical Name	CAS No.	Weight-%	Trade Secret
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Rust Preventative Additive	Proprietary	50 - 60%	*
Petroleum distillates, hydro treated light	64742-47-8	30 - 40%	*
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	10 - 20%	*

4. FIRST AID MEASURES

Description of first aid measures

- General advice** Contains petroleum distillate. Harmful or fatal if swallowed. Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
- Eye contact** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Skin contact** Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician.
- Inhalation** Move to fresh air in case of accidental inhalation of vapors. If continued difficulty with breathing is experienced, get medical attention immediately.
- Ingestion** Not an expected route of exposure. If swallowed, do not induce vomiting. Get medical attention immediately.
- Self-protection of the first aider** First aider: Pay attention to self-protection!.

Most important symptoms and effects, both acute and delayed

Symptoms May cause skin irritation. May cause eye irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO2). Sand. Use foam or water FOG as a last resort.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.

Explosion data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge May be ignited by heat, sparks or flames.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal precautions** No action should be taken involving any personal risk or without suitable training. Use personal protective equipment as required.
- Other Information** Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).
- For emergency responders** Use personal protection recommended in Section 8.

Environmental precautions

- Environmental precautions** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering sewers, drains, or waterways. Local authorities should be advised if significant spillages can not be contained. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

- Methods for containment** Contain spillage with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite.
- Methods for cleaning up** Pick up the absorbed material (described just above) and transfer to properly labeled containers for disposal according to local / national regulations (see Section 13).
- Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

- Advice on safe handling** Use personal protective equipment as required. Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep containers tightly closed in a cool, dry, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition.
- Incompatible materials** Strong acids. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, is not believed to contain any hazardous material that exceeds exposure limits established by OSHA. .

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³

Appropriate engineering controls

- Engineering Controls** Use natural cross ventilation, local (mechanical) pick-up, and/or general area mechanical cross ventilation. Ventilation pattern should be designed to prevent accumulation of solvent vapors. Ventilation must be sufficient to maintain solvent vapor concentrations below the

TWA limits outlined above.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective gloves and protective clothing that is resistant to chemical penetration.
Respiratory protection	Provide adequate ventilation. A NIOSH/MSHA approved respirator should be worn.
General Hygiene Considerations	Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Solvent (Mineral Spirits)
Appearance	Viscous	Odor threshold	No information available
Color	Amber		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	N/A	Not applicable	
Melting point/freezing point	N/A	Not applicable	
Boiling point / boiling range	N/A	Not applicable	
Flash point	> 40.5 °C / > 105 °F	Setaflash	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air		No data available.	
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	No Data Available		
Specific Gravity	0.86	Water = 1g/ml	
Water solubility	Insoluble		
Solubility in other solvents	Soluble in aromatic and aliphatic solvents.		
Partition coefficient	No information available	No data available.	
Autoignition temperature	No Data Available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Explosive properties	Vapor accumulation could flash or explode if ignited.		
Oxidizing properties	None		

Other Information

Softening point	Not applicable
Molecular weight	No information available
VOC Content (%)	No information available
Density	7.0 to 7.4 lb/gal
Bulk density	Not applicable

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Not applicable
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Chemical stability

Stable.

Possibility of Hazardous Reactions

None under normal use.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Avoid static discharge. Avoid heat, sparks, and open flame.

Incompatible materials

Strong acids. Strong oxidizing agents.

Hazardous Decomposition Products

Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiants.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.

- Inhalation** Avoid breathing vapors or mists.
- Eye contact** Avoid contact with eyes. Contact with eyes may cause irritation.
- Skin contact** May cause irritation.
- Ingestion** If swallowed, do not induce vomiting. Get medical attention immediately. Not an expected route of exposure.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret	> 5000 mg/kg (Rat)	> 4000 mg/kg (Rabbit)	-
Petroleum distillates, hydrotreated light**** 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- Skin corrosion/irritation** Can cause skin irritation.
- Serious eye damage/eye irritation** Irritating to eyes.
- Irritation** Irritating to eyes, respiratory system and skin.
- Corrosivity** Not classified.
- Sensitization** May cause sensitization of susceptible persons.
- Germ cell mutagenicity** This product does not contain any ingredients that cause germ cell mutagenicity.
- Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Legend

- ACGIH (American Conference of Governmental Industrial Hygienists)**
- A1 - Known Human Carcinogen
- A2 - Suspected Human Carcinogen
- A3 - Animal Carcinogen
- A4 - Not Classifiable as a Human Carcinogen
- IARC (International Agency for Research on Cancer)**
- Group 1 - Carcinogenic to Humans
- Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans
 Group 3 - Not classifiable as a human carcinogen.
NTP (National Toxicology Program)
 Known - Known Carcinogen
 Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 X - Present

Reproductive toxicity None known.
Developmental Toxicity None known.
Teratogenicity None known.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - No information available

The following values are calculated based on chapter 3.1 of the GHS document For exterior use only. Do not use indoors

ATEmix (oral) 5,943.00
ATEmix (dermal) 3,421.00
ATEmix (inhalation-dust/mist) 15.83

12. ECOLOGICAL INFORMATION

Ecotoxicity

15.79% of the mixture consists of components(s) of unknown hazards to the aquatic environment***

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Trade Secret	-	5.7 - 9.7: 96 h Pimephales promelas mg/L LC50 static 1.0 - 10.0: 96 h Pimephales promelas mg/L LC50 semi-static	6.2 - 12: 48 h Daphnia magna mg/L EC50
Petroleum distillates, hydrotreated light*** 64742-47-8	-	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	4720: 96 h Den-dronereides heteropoda mg/L LC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT DOT Ground: Regulated if shipped in containers >119 gallons (450 liters).

Proper shipping name Flammable liquid, n.o.s.(Petroleum distillates)
Hazard Class 3
Packing Group III
Special Provisions Not regulated in containers less than 119 Gallons
Emergency Response Guide Number 128

TDG

MEX unknown

ICAO (air) unknown

IATA unknown

IMDG unknown

RID unknown

ADR unknown

ADN unknown

15. REGULATORY INFORMATION

International Inventories

TSCA All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.

DSL/NDSL All of the components of this product are listed on the DSL.

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product contains the following substances regulated by various State Right-to-Know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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

<u>NFPA</u>	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection -
<u>Chronic Hazard Star Legend</u>	* = Chronic Health Hazard			

Prepared By Chem Etch Manufacturing Inc.
 Issue Date 14-Apr-2015
 Revision Date 14-Apr-2015
 Revision Note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet