



**SECTION I - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product Name:** Corrosion Block® Non-Flammable Aerosol  
**Product Code:** 20012

**Use of Substance/Preparation:** Corrosion Block® is an industrial product designed to prevent and treat corrosion on non-ferrous and ferrous metals, protect electronic equipment, and to lubricate/penetrate mechanized parts.

**Manufacturer:** Lear Chemical Research Corp.  
PO Box 1040 Mississauga ON Canada  
**Telephone:** 905 564-0018 905-564-7077 (fax)  
**Email:** info@learchem.com  
www.learchem.com  
**Emergency Telephone:** 1 800-256-2548 (day) 1 905-890-3466 (night)  
**Date of Preparation** March 11, 2015

**SECTION 2 – HAZARDS IDENTIFICATION**

**Appearance:** Blue green  
**Health:** Acute Toxicity  
Oral-Eye-Dermal: Category 5  
Inhalation: Category 4  
**Physical State:** Liquid  
**Odor:** Aromatic  
**Environmental:** Not Classified  
**OSHA Defined:** Not Classified  
**Labels:**



Signal Word: **WARNING**

**H227: Combustible Liquid**

P210: Keep Spray Away From Open Flame

**H229: Pressurized container-may burst if heated**

P251: Do not puncture

**H305: May be harmful if swallowed and enters airways**

P331+P314: Do Not Induce Vomiting, Get Medical Attention if Feeling Unwell

**H320: May Cause eye irritation**

P305+P331+P358: If Sprayed Into Eyes Rinse with Water, Remove Contacts if Present, Continue to Rinse with Water

**Precautionary Statements – Prevention:** Wash thoroughly after handling. Avoid spraying in eyes or breathing mist/spray. Do not ingest.

**Precautionary Statements – Response**

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Rinse eyes with water

**Precautionary Statements – Storage:** Do not store long term in direct sunlight.

**Precautionary Statements – Disposal:** Do not incinerate

**Hazards not otherwise classified (HNOC)-Not Applicable**

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous substances present on their own: None

**Substances present at a concentration below the minimum danger threshold:**

NAME:	CAS	EC	%
Solvent naphtha	64742-88-7	265-191-7	5-15
Hydrotreated neutral oil	72623-85-9	276-736-3	70-100
Carbon Dioxide (propellant)	124-38-9	204-696-9	1%
Tetrafluoroethane 1,1,1,2 (propellant)	811-97-2	212-377-0	5-10%

**SECTION 4 - FIRST AID MEASURES****Eye Contact:** Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.**Skin Contact** Remove excess by wiping, followed by washing with soap and water.**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen. If breathing stops apply CPR and call physician.**Ingestion:** Rinse mouth immediately with water. Give 1/2 pint/200ml of milk to drink. Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING.** If vomiting takes place naturally, lean victim forward to prevent aspiration into lungs. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. Physician's assessment is mandatory. **Note to Physician: Consult standard literature for Hydrocarbon poison.****SECTION 5 - FIRE AND EXPLOSION HAZARD DATA****Suitable Extinguishing Media:** CO<sub>2</sub>, Dry Chemical, Foam, Water Spray**Un-Suitable Extinguishing Media:** Water Jet which might spread flames**Special Hazards From Burning:** May produce normal products of combustion including: Carbon Oxides (CO- CO<sub>2</sub>) Nitrogen oxides (NO<sub>2</sub>-NO) Sulfur oxides (SO<sub>2</sub>-SO<sub>3</sub>).**Fire Fighting Procedures:** Cool containers with water spray to prevent pressure build-up, auto-ignition or explosion. Self Contained Breathing Apparatus (SCBA) may be required if containers rupture under thermal conditions.**General Fire Hazards:** Aerosol cans are an explosion risk when exposed to fire**Explosion Data:** Sensitivity to Mechanical Impact when exposed to fire**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Personal Precautions:** Eliminate sources of ignition. Stop leak if you can do it without risk. Keep unnecessary personnel away from spill slip hazard.**Small Spill:** Wipe up spills with absorbent cloth and clean surface with approve soap.**Large Spill:** Stop or reduce flow with barricades – Absorb spills using dry clay, commercial sorbents. Collect residue into suitable container for disposal. Material may be drained into floor drains equipped with Oil Interceptors. Never return contaminated spilled liquid to original container. See Section 13 for Disposal Considerations.**Environmental Precautions:** Prevent spill from entry into waterways, sewers, basements or confined areas.**SECTION 7 - HANDLING AND STORAGE****Conditions for safe storage, including any incompatibilities:****Storage:** Avoid ignition sources. Do not store 49C° or 120F°. Keep containers in cool and well-ventilated place. Do not store long term in direct sunlight. Keep out of the reach of children.**Incompatible Products:** None known

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION:****Appropriate Engineering Controls:****Ventilation:** None normally needed**Individual Protection:****Respiratory Protection:** None normally needed.**Protective Gloves:** None normally required. Excessive contact may cause drying, chapping of skin**Eye Protection:** None normally required**Other Protective Clothing:** None normally required.**Work/Hygienic Practices:** Wash hands and face with soap and water after use. Launder soiled clothing.**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties of Liquid****Physical State:** Liquid  
**Appearance:** Blue Green  
**Odor:** Fresh Scent  
**Odor Threshold:** Not established

<b>Property</b>	<b>Values</b>
pH	7
Melting / freezing point	No data available
Boiling point / boiling range	>100C°/ 212 F°
Flash Point	79.4 C /175 F. PMCC
Evaporation Rate	Slower (Butyl acetate=1)
Flammability (solid, gas)	No data available
Flammability Limit in Air	<b>Solvent Component Only</b>
Upper flammability limit	UEL: 6.0
Lower flammability limit	LEL: 1.0
Vapor pressure	No data available
Vapor density	Heavier than air (Air=1)
Specific Gravity	0.90
Water Solubility	Slight with agitation
Solubility in other solvents	Soluble in Naphtha
Partition coefficient:	
n-octanol/water	No data available
Auto ignition temperature	>210C°/410 F°
Decomposition temperature	No data available
Kinematic viscosity	25 cSt @ 40 C°
Dynamic viscosity	No data available
VOC Content (%)	90gm/l

**SECTION 10 - STABILITY AND REACTIVITY****Stability:** Stable**Materials to avoid:** Avoid Oxidizing materials (Liquid or compressed oxygen, peroxides, chlorine), strong alkalis.**Decomposition Products:** Thermal conditions produce normal products of combustion including: Carbon Oxides (CO- CO<sup>2</sup>), Nitrogen oxides (NO<sup>2</sup>-NO), Sulfur oxides (SO<sup>2</sup>SO<sub>3</sub>)**Reactivity:****Polymerization:** Will not occur



SECTION 11 - TOXICOLOGICAL INFORMATION

Corrosion Block liquid has been tested (oral, eye, dermal) as a complete mixture and is considered "non-toxic" under normal use with an extremely low order of toxicity at or below a Category 5 rating .

Primary Routes of entry:

Acute Oral: LD50 > 5000 mg/kg
Acute Dermal: LD50 > 5000 mg/kg
Acute Eye: LC50 > 5000 mg/kg
Acute Vapor (estimated) LC50 > 5000 ppm -Rat-Aliphatic hydrocarbon
LC50 > 5000 ppm -Rat-Petroleum distillate

Tetrafluoroethane 1,1,1,2 Acute Vapor. LC50 > 500,000ppm (rat) Acute Eye: LD50 None Determined Acute Dermal: None

Carcinogenicity: Mixture not carcinogenic according to EPA, NTP, IARC, OSHA, TLV, MAK, NIOSH or ACGIH definitions.
Sensitization: Non-sensitizer
Mutagenic effects: No Tetra genic: No
Reproductive: No Developmental: No

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

Inhalation: May cause headache, nausea, or dizziness. Over exposure to vapor may cause CNS depression or confusion. Tetrafluoroethane is rapidly metabolized in tissue, after inhalation and eliminated with expelled air. May act as a simple asphyxiant if air is displaced by excess vapor.

Skin / Eyes: May cause drying, chapping of skin and may cause redness of eyes. Chilling sensation with liquid evaporation

Ingestion: Not likely to occur.
Sensitization: No information available.
Mutagenic Effects: No information available.
Carcinogenicity: Contains no ingredient listed as a carcinogen.
Reproductive Toxicity: No information available.
STOT - single exposure: No information available.
STOT - repeated exposure: No information available.
Chronic Toxicity: No known effect based on information suppli
Target Organ Effects: Respiratory system. Central Vascular System (CVS).
Aspiration Hazard: May be harmful or fatal if aspirated into lungs. Treat at hydrocarbon poisoning.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (inhalation-gas) 7,189,062.00
ATEmix (inhalation-dust/mist) 2.48 mg/l

SECTION 12- ECOLOGICAL INFORMATION

Eco toxicity: Environmental impact of this product has not been fully investigated.

Persistence and Degradability: No information available.

Bioaccumulation: No information available

Other adverse effects: No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Spilled liquid should be treated as contaminated oil and disposed of according to the appropriate state, regional, or local regulations.

Used Packaging: Empty Aluminum containers can be recycled

California Hazardous Waste Codes NA



**SECTION 14 - TRANSPORT INFORMATION**

**DOT**

Proper Shipping Name	CONSUMER COMMODITY
Hazard Class	ORM-D
Description	CONSUMER COMMODITY, ORM-D
Emergency Response Guide Number	126

**TDG**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
Description	UN1950, AEROSOLS, 2.2

**IATA**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS, NON-FLAMMABLE
Hazard Class	2.2
Description	UN1950, AEROSOLS, NON-FLAMMABLE, 2.2



**IMDG/IMO**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
EmS-No.	F-D, S-U
Description	UN1950, AEROSOLS, 2.2



**RID / ADR**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
Classification code	5A
Description	UN1950 AEROSOLS, 2.2

**ADN**

UN-No.	UN1950
Proper Shipping Name	AEROSOLS
Hazard Class	2.2
Classification code	5A
Special Provisions	190, 327, 344, 625
Description	UN1950 AEROSOLS, 2.2
Hazard Labels	2.2
Limited Quantity	1 L
Ventilation	VE04

**SECTION 15 - REGULATORY INFORMATION**

This preparation was classified in compliance with GHS Directives and is not known to be classified on any EC lists or other source literature.

WHMIS	Not Controlled
U.S. Federal Regulations:	Not Regulated
TSCA Inventory (USA)	Reported/Included
DSL (Canada)	Reported /Included
SARA 302/355 Extreme Hazard:	NO
CERCLA:	NO

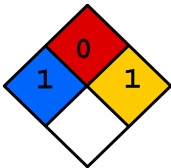


SARA 313 Toxic Chemical:		NO
SARA 311/312 Hazardous:		NO
Prop 65		No to All
ELINCS (Europe)	No	
ENCS (Japan)		Yes
AICS (Australia)		Yes

**SECTION 16 – OTHER INFORMATION**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

NFPA STD.704 Health -1 Flammability-0 Reactivity-1  
 NFPA STD.321: Combustible Liquid, Class III 3A



HMS Health -1 Flammability-0 Reactivity-1

Lear Chemical believes all the information provided is true and accurate. Lear Chemical and its affiliates assume no responsibility for injury to anyone caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Lear Chemical Research Corp. and affiliates assume no responsibility for injury to anyone caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendor and third persons assume the risk in their use of the material.

Date Issued: March 2015

Prepared by: Lear Chemical Research Corp.