

## SAFETY DATA SHEET

Compliant with regulations (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CPL)

### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name:** Corrosion Block® NON-FLAMMABLE AEROSOL

**Product Code:** 20012

**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:** 00 1 800-256-2548 (day)

00 1 905-890-3466 (night)

**Poison Control Center:** Poisindex Alert System

<http://duketox.mc.duke.edu/poisindex.htm>

**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.

### SECTION 2 – HAZARDS IDENTIFICATION

Preparation classification:



R36 – Irritating to the eye

**Adverse Human Effects:** May cause slight/brief irritation if sprayed into the eyes.

**Fire and Explosion Risk:** Explosion hazard if aerosol can is heated beyond 49C° /120 F°

**Chemical Reaction Hazard:** Hazardous reactions may occur on contact with certain chemicals  
(Refer to complete list of incompatible materials in section 10 "Stability and Reactivity")

### 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	Risk	Sym.	%
Solvent naphtha	64742-88-7	265-191-7	R38, R65	Xi, Xn	5-15

**Other Components:**

NAME:	CAS	EC	Risk	Sym.	%
Hydrotreated neutral oil	72623-85-9	276-736-3	NA	NA	70-100
Tetrafluoroethane 1,1,1,2, (propellant)	811-97-2	212-377-0	NA	NA	5-10

### SECTION 4 - FIRST AID MEASURES

**In the event of exposure by inhalation:** Not likely to occur. Evacuate to fresh air. If breathing is difficult administer oxygen. If breathing stops apply CPR and call physician.

**In the event of splashes or contact with eyes:** Copious warm water flush for 15 minutes, lifting upper and lower lids. If irritation persists contact a physician.

**In the event of splashes or contact with skin:** Remove excess by wiping, followed by washing with soap and water.

**In the event of swallowing:** Not likely to occur. However should it occur: **DO NOT INDUCE VOMITING.** Give 1/2 pint of milk to drink. 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.**

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### SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

**Product:** Corrosion Block Non-Flammable Aerosol

**Auto-ignition Temp.** >210C°/410 F°

**Flash Point:** 79.4 C /175 F. **Method:** PMCC

**Flammable Limits:** Solvent component only: LEL 1.0 UEL: 6.0

**Extinguishing Media:** CO<sub>2</sub>, Dry Chemical, Foam, Water spray

**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.

**Fire Explosion Hazards:** Aerosol cans are an explosion risk when exposed to fire.

NFPA STD.704

Health -0 Flammability-2-Reactivity-0

NFPA STD. 321: Combustible Liquid, Class III 3A

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Steps to be taken if Spilled:** Absorb using inert material (dry clay, commercial sorbents) and collect residue into suitable disposal container.

Dispose in approved landfill site or incinerate at licensed waste reclaim facility. Follow all Local or Federal Requirements.

**Waste Disposal Method:** Empty aerosol cans are recyclable.

**Ventilation:** Provide sufficient General or Mechanical ventilation to maintain exposure below flammable limits.

**Respiratory Protection:** None normally needed - Unless atomizing in enclosed space, then use approved NIOSH organic, mist/vapor respirator.

**Protective Gloves:** None normally required.

**Eye Protection:** None normally required, unless operator is using high-pressure spray equipment or splashing is likely.

**Other Protective Clothing:** None normally required.

**Work/Hygienic Practices:** Wash hands and face with soap and water after use. Launder soiled clothing.

### SECTION 7 - HANDLING AND STORAGE

**Storages** Do not store aerosol cans above 49C° or 120F°

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION:

**Inhalation:** Gross overexposure to vapor may cause headache, nausea, dizziness, CNS depression or confusion. Tetrafluoroethane is rapidly equilibrated in tissue, after inhalation, and eliminated with expelled air. May act as simple asphyxiant if air is totally displaced by vapor.

**Skin:** May cause drying, chapping of skin. Chilling sensation with liquid evaporation.

**Eyes:** May cause redness of eyes and tearing. Chilling sensation with liquid evaporation.

**Ingestion:** Not likely to occur. However should small amounts be ingested then liquid may cause slight irritation to mouth & throat.

Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** >100C°/ 212 F°

**Vapor Pressure:** NA

**Vapor Density:** Heavier than air (Air=1)

**Solubility:** Slight emulsification with H<sub>2</sub>O

**Appearance:** Blue/Green Liquid

**Specific Gravity** (H<sub>2</sub>O=1): .92

**Melting Point** (Deg C/F): not applicable

**Evaporation Rate:** Slower (Butyl acetate=1)

**Odor:** Sweet Oil

**pH:** not determined

### SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable

**Materials to avoid:** Avoid Oxidizing materials (Liquid or compressed oxygen, peroxides, chlorine), strong alkalis.

**Hazardous Decomposition Products:** Thermal conditions 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>)

**Polymerization:** Will not occur

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### SECTION 11 - TOXICOLOGICAL INFORMATION

Corrosion Block Oil has been tested (oral, eye, dermal) as a complete mixture and is considered "Non Toxic".

Primary Routes of entry:

Acute Oral: LD50 > 5000 mg/kg

Acute Dermal: LD50 > 5000 mg/kg

Acute Eye: LC50 > 5000 mg/kg

Acute Vapor LC50 > 5000 ppm -Rat-Aliphatic hydrocarbon

(estimated) LC50 > 5000 ppm -Rat-Petroleum distillate

Carcinogenicity: Non-carcinogenic, according to NTP, IARC, OSHA or ACGIH.

Sensitization: Non-sensitizer

Mutagenic effects: No

Tetragenic: No

Reproductive: No

Developmental: No

### SECTION 12- ECOLOGICAL INFORMATION

Water hazard classification: generally not hazardous for water (self-assessment)

### SECTION 13 - DISPOSAL CONSIDERATIONS

Empty aerosol cans can be recycled

### SECTION 14 - TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)

ADR/RIC-GGVSE Class: 5

Substance No. UN1950

Correct Technical Name Aerosols, non-flammable

Maritime transport IMDG

IMDG Class: 2

UN-Nr.: 1950

Correct Technical Name Aerosols, non-flammable

Marine pollutant: Not expected to be.

AIR transport ICAO-TI and IATA-DGR

ICAO/IATA Class: 2

UN-/ID-N 1950

Correct Technical Name Aerosols, non-flammable ,

Shipping Type LTD QTY

Packing Instruction Y203

### SECTION 15 - REGULATORY INFORMATION

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



R36 – Irritating to the eye

Particular hazards associated with the preparation and safety recommendations:

Risk Phrases

R5 - Heating may cause an explosion

R44 - Risk of explosion if heated under confinement

S-Phrases

S2 - Keep out of reach of children

S47 - Keep at temperature not exceeding 50C° 120F°

S62 - If swallowed, do not induce vomiting, seek medical attention immediately and show this container or label

Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals

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### **SECTION 16 – OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirement relating to our product and not a guarantee of its properties.

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: May, 2011 Prepared by: Lear Chemical Research Corp.