SECTION I - IDENTIFICATION

Product Name: **Corrosion Block® Bulk Liquid**
Product Code: **20001, 20002, 20004, 20020, 20032, 20114, 20205**

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.
Uses advised against: **None unless specified elsewhere**

Manufacturer: **Lear Chemical Research Corp.**
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Email: info@learchem.com
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Emergency Telephone: **1 800 535-5053 (Canada & US)**
1 352 323-3500 (International)

SECTION 2 – HAZARDS IDENTIFICATION

General hazard statement

Read Label and Use as Directed
May cause slight eye redness (Mixture Tested < Cat2B)
May cause skin dryness (Mixture Tested < Cat3)
May cause laxative effect if swallowed. Do not induce vomiting.
Using as directed Not Expected to be Aspiration Hazard (>24mm²/s @40°C)

Classification of the Mixture:

GHS classification:	**Category 4, Flammable liquid**
Signal Word:	**WARNING**
Labels:	None required
Hazard statement(s)	
H227	Flammable liquid
Precautionary statement(s)	
P280	Wash thoroughly after handling. Manufacturer specifies No special PPE.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P403+P235	Keep cool and in a dry place.
P501	Dispose of contents/container in accordance with local, regional, national, and/or international regulations

Other hazards which do not result in classification

None known.

Statement regarding ingredients of unknown toxicity

No data available.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances present: MIXTURE
Substances present at a concentration below the minimum danger threshold:

NAME:	CAS	EC	Concentration % (weight)	Special Notes
Hydrotreated neutral oil	72623-85-9	276-736-3	70-85%	<0.1% DMSO w/w extract
Stoddard solvent	8052-41-3	232-489-3	5-9%	

SECTION 4 - FIRST AID MEASURES

Description of necessary first-aid measures

General advice Show this safety data sheet to the doctor in attendance.

If inhaled Move to fresh air. If unconscious consult with physician.
In case of skin contact Wash off with soap and plenty of water.
In case of eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing. May cause eye irritation. Including redness, swelling, tearing, or temporary hazy vision.
If swallowed DO Not induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Delayed symptoms and effects: May cause gastrointestinal irritation. Such as abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Personal protective equipment for first-aid responders
Not required.

Most important symptoms/effects, acute and delayed
See Section 2 and Section 11.

Indication of immediate medical attention and special treatment needed, if necessary
Ingestion of large quantities or accidental aspiration.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical
None known.

Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Use water spray to cool unopened containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. For PPE see section 8.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling
Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities
Store in a well ventilated place. Keep container tightly closed. Store between the following temperatures: 40 and 120 Fahrenheit, away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

Specific end use(s)
Apart from the uses mentioned in section 1 no other specific uses are stipulated

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION:

Control parameters

CAS: 8052-41-3
Stoddard Solvent

CAS: 72623-85-9 (EC: 276-736-3)
Lubricating oils (petroleum), C20 -50, hydrotreated neutral oil-based, high-viscosity, if they contain > 3 % w/w DMSO extract

Engineering controls
No special ventilation requirements. Adequate ventilation to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Distribution, Workplace and Household/Retail Settings: No special protective equipment required.

Skin protection
Distribution, Workplace and Household/Retail Settings: No special protective equipment required.

Respiratory protection
Distribution, Workplace and Household Settings: No special protective equipment required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance/form (physical state, color, etc.)	Liquid
Odor	Characteristic
Odor threshold	No data available.
pH	7
Melting point/freezing point	No data available.
Initial boiling point and boiling range	212°F / 100°C
Flash point	175°F / 79.4°C
Evaporation rate	Slower (butyl acetate=1)
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	UEL: 6.0 LEL: 1.0
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	Heavier than air (air=1)
Relative density	No data available.
Solubility(ies)	soluble in naphtha
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	410°F / 210°C
Decomposition temperature	No data available.
Viscosity	25 cSt @ 40°C
Explosive properties	No data available.
Oxidizing properties	No data available.
Other safety information	No data available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal use conditions.
Conditions to avoid	None under normal use conditions.
Incompatible materials	Do not store near acids, Strong oxidizing agents
Hazardous decomposition products	May release COx, NOx, SOx, H2S, smoke and irritating vapors when heated to point of decomposition. In the event of fire: see section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

CORROSION BLOCK LIQUID HAS BEEN FULLY TESTED AS A COMPLETE MIXTURE FOR ORAL, EYE AND DERMAL TOXICITY. SUPPORTING DATA BASED ON THOSE EVALUATIONS. ACUTE TOXICITY IS AT OR ABOVE CATEGORY 4.

Primary Routes of entry:

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

Information on toxicological effects

Acute toxicity	Poses no Acute toxicity hazards.
Skin corrosion/irritation	None found.
Serious eye damage/irritation	Slight eye irritation (reversible)
Respiratory or skin sensitization	None found.
Germ cell mutagenicity	Based on available data, classification not met

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity	No data available
Summary of evaluation of the CMR properties	No data available.
STOT-single exposure	Insignificant effects documented that do not justify STOT Classification.
STOT-repeated exposure	Insignificant effects documented that do not justify STOT Classification.
Aspiration hazard	Not Expected to be Aspiration Hazard (>24mm2/s @40°C)
Additional information	None

SECTION 12- ECOLOGICAL INFORMATION

Toxicity	No data available.
Persistence and degradability	Petroleum components are biodegradable in marine and soil environments.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal of the product	Dispose of contents/ container in accordance with the local/regional/national/international regulations. Do not landfill.
Waste treatment	Recycle only completely emptied packaging. Empty HDPE/LDPE/Aluminum containers can be recycled.
Sewage disposal	Treat as used oil.
Other disposal recommendations	No data available.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)	Not regulated / Not dangerous goods
IMDG	Not regulated / Not dangerous goods
IATA	Not regulated / Not dangerous goods

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

NFPA STD.704	Health -1	Flammability-2	Reactivity-0
NFPA STD.321:	Combustible Liquid, Class III 3A		
HMIS	Health -1	Flammability-2	Reactivity-0

SECTION 16 – OTHER INFORMATION

V0007 – April 28, 2021 – Revisions
Section 2: Remove P210, Add P280, P235+P403
Section 4, 5, 8 & 12: information updated
Section 11: Toxicological Information clarified

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