

SECTION 1: Identification

1.1 Product Identifier

Product form : Mixture
Product name : **Corrosion Block® Bulk Liquid**
Product code : **20001, 20002, 20004, 20020, 20032, 20114, 20205**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / mixture : 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

1.3 Details of the supplier of the safety data sheet

Manufacturer: **Lear Chemical Research Corp.**
6182A Kestrel Road
Mississauga, ON Canada L5T 1Z2

Telephone: 00 905 564-0018
00 905-564-7077 (fax)

Email: info@learchem.com
www.learchem.com

1.4 Emergency telephone number

00 800 535-5053 (Canada & US)
00 352 323-3500 (International)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

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 @40C)

Regulation (EC) no. 1272/2008 (CLP)

GHS classification : Category 4, Flammable liquid

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Warning
Hazard pictograms : None required
Hazard statements

: H227 - Flammable liquid

Precautionary statements

: 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

2.3 Other hazards

: None known

SECTION 3: Composition /information on ingredients

- 3.1 Substance** : Not applicable
- 3.2 Mixture** : Substances present at a concentration below the minimum danger threshold

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Special Notes
Hydrotreated neutral oil	(CAS No) 72623-85-9 (EC No) 276-736-3	70 – 85%	GHS08, Carc. 1B; H350	<0.1% DMSO w/w extract
Stoddard solvent	(CAS No) 8052-41-3 (EC No) 232-489-3	5-<9%	GHS08, Asp. Tox 1; H304 STOT RE 1; H372	

Full text H-statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

- Inhalation : Move to fresh air. If unconscious consult with physician.
- Skin contact : Wash off with soap and plenty of water.
- 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.
- Ingestion : 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.

4.2 Most important symptoms and effects, both acute and delayed

- : See Section 2 and Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

- : Unlikely to be required but if necessary treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : CO², dry chemical, foam, water spray
- Unsuitable extinguishing media : Water jet which may spread flames

5.2 Special hazards arising from the substance or mixture

- Fire hazard : May produce normal products of combustion including: Carbon Oxides (CO- CO²) Nitrogen oxides (NO²-NO) Sulfur oxides (SO²-SO₃).
- Reactivity : None to our knowledge.

5.3 Advice for firefighters

- Firefighting instructions : 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.
- Explosion hazard : No unusual explosion hazards.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** : Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.
- 6.2 Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- 6.3 Methods and material for containment and cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections** : For disposal see section 13.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
- Additional hazards when processed : None known.
- Precautions for safe handling : None normally required
- Hygiene measures : Observe normal hygiene standards.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage temperature : Store between: 40 and 120°F
- Storage life : Store in a cool area away from oxidizing agents.
- Heat and ignition sources : Avoid heat / ignition sources
- Special rules on packaging : Meets the legal requirements. Correctly labelled.
- Packaging materials : HDPE/LDPE containers
- 7.3 Specific end use(s)** : Apart from the uses mentioned in section 1. No other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

- 8.1 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
- 8.2 Exposure controls**
- Appropriate engineering controls : Does not require and specific or particular technical measures.
- Personal protective equipment : None normally needed/required.
- Eye protection : Distribution, Workplace and Household/Retail Settings: No special protective equipment required, unless extreme splashing likely during use.
- Hygienic practices : Wash hands/face with soap and water after use. Launder soiled clothing.
- Ventilation : No special ventilation requirements. Adequate ventilation to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Blue liquid
Odor	: Characteristic
Odor threshold	: Not established
pH	: 7
Melting point/ Freezing point	: No data available
Boiling point / boiling range	: > 100°C / 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	Solvent component only
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	: 0.89
Water solubility	: slight with agitation
Solubility in other solvents	: soluble in naphtha
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: > 210°C / 410°F
Decomposition temperature	: No data available
Kinematic viscosity	: 25 cSt @40°C
Dynamic viscosity	: No data available
VOC content (%)	: 90gm/l
9.2 Other information	: No information available

SECTION 10: Stability and reactivity

10.1 Reactivity	: Stable under normal use conditions.
10.2 Chemical stability	: Stable under normal storage conditions.
10.3 Possibility of hazardous reactions	: No hazardous reactions known if used for intended purpose.
10.4 Conditions to avoid	: None under normal use conditions.
10.5 Incompatible materials	: Oxidizing substances.
10.6 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 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

11.1 Information on toxicological effects

Acute toxicity	: Not Classified / 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 data are not met.
Carcinogenicity	: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or a potential carcinogen.
Reproductive toxicity	: 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 (>24mm ² /s @40°C)
11.2 Other information	: None

SECTION 12: Ecological information

12.1 Toxicity	: No data available
12.2 Persistence and degradability	: Petroleum components are biodegradable in marine and soil environments.
12.3 Bio accumulative potential	: The product has no potential for bio accumulation.
12.4 Mobility in soil	: No data available
12.5 Results of PBT and vPvB assessment	: This mixture does not meet the PBT / vPvB criteria of REACH regulation, Annex XIII
12.6 Other adverse effects	: None known

SECTION 13: Disposal considerations

13.1 Waste treatment methods	: Recycle only completely emptied packaging. Empty HDPE/LDPE containers can be recycled. Non-empty containers: Dispose of waste in an approved waste disposal facility. Treat as used oil. Do NOT landfill.
13.2 Additional information	: Disposal should be in accordance with local, state or national legislation.

SECTION 14: Transport information

14.1 UN Number	: Not regulated
14.2 – 14.6	
Land (ARD/RID)	: Not regulated / Non Hazardous
Inland Waterways (ADNR/ADN)	: Not regulated / Non Hazardous
Sea (IMDG)	: Not regulated / Non Hazardous
Air (IATA)	: Not regulated / Non Hazardous
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	
Not classified according to Annex II	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture

15.1.1 EU-Regulations

Contains no REACH substances with Annex XV11 restrictions
Contains no substance on the REACH Candidate List
Contains no REACH Annex XIV substances

15.2 Chemical safety assessment

WHMIS	: Not controlled
US 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 (EU)	: No
ENCS (Japan)	: Yes
AICS (Australia)	: Yes

SECTION 16: Other information

Data Sources : Regulation (EU) 2016/918 amending Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH), according to (EU) 2016/918

Legend

PBT	: Persistent, Bio accumulative and Toxic
vPvB	: very Persistent and very Bio accumulative
VOC	: Volatile Organic Compounds
ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	: International Maritime Code for Dangerous Goods
IATA	: International Air Transport Association

H-codes contained in Section 3 of this document (for information only)

H304	: may be fatal if swallowed
H372	: causes damage to organs through prolonged or repeated exposure
H350	: may cause cancer

V0008 – April 29, 2021 – Revisions

Section 4, 7, 8, 9, 10, 12, 13: Statement information updated

Section 11: Toxicological Information clarified

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Lear Chemical Research Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Lear Chemical Research Corporation has been advised of the possibility of such damages.