

ALL_RAIL®

MATERIAL SAFETY DATA SHEET

SECTION 1 - MATERIAL IDENTIFICATION AND USE

Material Name ALL_RAIL S
Supplier: GLOBE-CONNECT, LLC
Address: 633 Jeffer Circle; Bldg A
Exton, PA 19342 U.S.A.
Telephone: 484-872-8285
Chemical Family: Synthetic Ester Grease

Health:	1
Flammability:	0
Reactivity:	0

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	Percent
Synthetic Fluid		80-85
Proprietary EP/Corrosion Inhibitor/AO package		5-9

SECTION 3 - HAZARDOUS INGREDIENTS

None

SECTION 4 - PHYSICAL DATA

Appearance: Semi-fluid, amber grease
% Solids: 8%
Specific Gravity (H₂O = 1): 0.95
Physical State: Soft grease
Solubility in Water (20°C): Insoluble
Boiling Point: >250°C/482°F
Odor: Very Mild
pH: NA

SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point: >200°C/392°F (COC)
Extinguishing Media: Foam, carbon dioxide, dry chemical
Special Fire Fighting Procedures: Use water Spray to cool drums
Unusual Fire & Explosion Hazard:
Special Fire Fighting Instructions: Wear self-contained breathing apparatus and full body protection to avoid exposure to smoke and vapor.

SECTION 6 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid/Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: Combustion produces carbon monoxide, carbon dioxide along with thick smoke
Hazardous Polymerization: Will not occur.

SECTION 7 - HAZARDS IDENTIFICATION

FIRST AID MEASURES:

Inhalation: Negligible unless heated sufficiently to produce vapors. Remove to fresh air.
Skin: Not likely to cause irritation
Eye: Contact may be irritating. Irrigate eye with water for at least 15 minutes.
Ingestion: Do not induce vomiting. Seek medical attention.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Gloves: Use impervious (rubber, nitrile) gloves.
Eye protection: Use safety glasses or chemical goggles.
Respiratory: If vapors are generated, wear a NIOSH approved organic vapor/mist respirator.

ALL_RAIL[®]

SECTION 9 - ACCIDENTAL RELEASE MEASURES/DISPOSAL

SPILL Clean-Up Procedures: Contain to smallest area possible. Use sand or oil-dry as required. Wash hard surfaces with detergent to remove remaining oil film.

Waste Disposal: Review federal, provincial or state and local government requirements prior to disposal.

Storage Requirements: Store between 50°F(10°C) and 120°F(49°C). Store out of sun.

SECTION 10 - ENVIROMENTAL INFORMATION

BIODEGRADABILITY (OECD METHOD 301 B Modified Sturm Test): Readily biodegradable

SECTION 11 - REGULATORY INFORMATION

OSHA STATUS: Non-hazardous under standard 29 CFR 1910.1200

TSCA STATUS: All materials are listed

SARA TITLE III

Section 312 Extremely Hazardous Substances: None

Section 311/312 Hazard Categories: Non-hazardous

Section 313 Toxic Chemicals: None

CERCLA (Comprehensive Responsive Compensation, and Liability Act - Reportable quantity (RQ): Not established

California Proposition 65: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION 12 – TRANSPORT INFORMATION

Shipping Information:

Not regulated under DOT & TDG

Date: October 2014

Prepared by: E. B. Kollin, Chemist

Telephone: (908) 322-4474

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other, materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee is made as to its accuracy, reliability, or completeness. It is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information.

Rheocalc V3.1-1

Brookfield Engineering Labs

File: C:\PROGRAM FILES\BEL\RHEOCALC32\ALL_RAIL\ALL_RAIL_PB130326.DB

Test Date: 11/5/2013 Test Time: 10:45:12 AM

Model: 2HB

Spindle: T-A

Sample Name: (Sample)

#	Viscosity (cP)	Speed (RPM)	% Torque (%)	Shear Stress (D/cm ²)	Shear Rate (1/sec)	Temperature (°C)	Bath (°C)	Time Interval (mm:ss.t)
1	6400.00	1.00	0.2	0.00	0.00	8.4	EEEE	00:05:00.2
2	6400.00	1.00	0.2	0.00	0.00	-8.0	EEEE	00:05:00.2
3	6400.00	1.00	0.2	0.00	0.00	-19.9	EEEE	00:05:00.2
4	9600.00	1.00	0.3	0.00	0.00	-29.5	EEEE	00:05:00.2
5	9600.00	1.00	0.3	0.00	0.00	-37.5	EEEE	00:05:00.2
6	12800.00	1.00	0.4	0.00	0.00	-43.6	EEEE	00:05:00.2
7	12800.00	1.00	0.4	0.00	0.00	-45.6	EEEE	00:05:00.2
8	32000.00	1.00	1.0	0.00	0.00	-46.7	EEEE	00:05:00.2
9	41600.00	1.00	1.3	0.00	0.00	-51.6	EEEE	00:05:00.2

Notes: