SAFETY DATA SHEET

AMERICAN INDUSTRIES, INC.
WWW.AMERICANINDUSTRIES.COM

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	**PRODUCT NAME:**	**FORMULA 355**
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	**PRODUCT CODE:**	3076
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	**PRODUCT USE:**	Lubricant
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	**SDS FILE ID:**	3076.01
EMERGENCY PHONE:	**CHEMTREC 1-800-424-9300**	**SDS DATE:**	**2016-10-21**

SECTION 2: HAZARDS IDENTIFICATION

Classification	Category 5, Acute Toxicity-No Symbol
Labeling	None
Signal word	Warning
Hazard statement:	May be harmful if swallowed May cause eye irritation May cause skin irritation Non flammable or combustible, but may burn if involved in a fire
Precautionary statement	Use personal protective equipment as required. Wear safety glasses and gloves.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%	Impurities
1-Dodecene, polymer with 1-decene, hydrogenated	151006-60-9	85-95	No information provided by manufacturer
Lithium 12-hydroxysterate	7620-77-1	6-9	Less than 1%, not classifiable

SECTION 4: FIRST AID MEASURES

Inhalation	If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.
Skin contact	Wash affected area with soap and water. If signs/symptoms persist, get medical attention. No need for first aid is anticipated.
Eye contact	Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention. Obtain medical attention.
Ingestion	If swallowed, do not induce vomiting. If irritation or discomfort occurs, obtain medical assistance

SECTION 5: FIRE-FIGHTING MEASURES

Autoignition temperature	>200°C (392°F)
Flashpoint	>200°C (392°F)
Flammable Limits (LEL)	Not determined.
Flammable Limits (UEL)	Not determined.
Suitable extinguishing media	On large fires used dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical, or water spray. Water can be used to cool fire exposed containers.
Unsuitable extinguishing media	None.
Specific hazards in case of fire	Decomposes on heating and jproduces incompletely burned carbon compounds. Avoid reaction with oxidizers..
Special firefighting protective equipment and precautions	No acute hazard. Move container from fire area, if possible. Avoid breathing vapors or dusts. Keep upwind. Use full firefighting gear (bunker gear). Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape air supply. Use any self contained breathing apparatus with a full face piece. Alert fire department and indicate hazard location. Wear breathing apparatus plus protective

clothing. Cool fire exposed containers with water spray from a protected location. Do not approach containers suspected to be hot. If safe to do so, remove containers from path of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use appropriate personal protection. (See section 8.)
Environmental precautions	For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.
Methods for material containment and cleaning up	Observe precautions from other sections. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent. Seal the container.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin, inhalation of mist, or ingestion. See section 8 for personal protection equipment. Practice good personal hygiene to prevent accidental ingestion after handling. Properly dispose of clothing that cannot be decontaminated.
Conditions for safe storage, including any incompatibilities	Store away from oxidizing materials. Store product in a closed container located in a dry area. Do not store in open, inadequate, or mislabeled packaging. Check that containers are clearly labeled. Use metal cans, metal drums, plastic, or lined fiber containers. Keep away from heat and flame.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	Under most handling conditions, this product will not generate mist or dust.
Engineering controls	In most conditions, no special local ventilation is needed. General ventilation recommended. If the product is atomized ventilation should be used.
Eyes	Safety glasses recommended.
Skin	Impermeable gloves should be worn. Petroleum resistant elastomers are recommended.
Inhalation	No respiratory protection required under most conditions. If concentrations exceed exposure limits, approved respiratory equipment must be used.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical	Solid. Liquid may separate from product.
Color	Light amber
Odor	Mild
Odor threshold	Not available
pH	Not applicable
Melting point	228^{o}C (442^{o}F)
Freezing Point	Becomes very stiff with decreasing temperature around -55^{o}C (-67^{o}F)
Initial Boiling point	>200^{o}C (392^{o}C)
Flash point	>200^{o}C (392^{o}F) COC (Base oil)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosion limits	Not available
Vapor Pressure	Negligible at 20^{o}C (68^{o}F)
Vapor density	Not avialable
Solubility	Insoluble in water at 20^{o}C (68^{o}F)
Partition Coefficient	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Begins to oxidize at a slow rate at 125^{o}C (257^{o}F)

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under ambient temperatures and pressures.

Possible hazardous reactions	Can react with strong oxidizers. Other hazardous reactions have not been identified. Otherwise will not react or polymerize.
Conditions to avoid	No specific conditions to avoid have been identified.
Materials to avoid	Oxidizers
Hazardous decomposition products	Decomposes on heating and produces incompletely burned carbon compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

1-H Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl-ar-methyl-	Ingestion LD_{50}, Rat 3,300 mg/kg, Dermal, Rabbit, irritant per OPP 81-5, Not irritating to rabbit eye. Sensitizing to Guinea pig per OECD Guideline 406. Ames test negative. The potential to cause toxicity to development cannot be excluded at maternally toxic doses. The results were determined in a screening test (OECD 421/422).
Polyalphaolefin	Ingestion LD_{50}, Rat >5,000 mg/kg; Dermal, Rabbit, >5,000 mg/kg; Inhalation LC_{50}, Rat >5,000 mg/m_3; Non-irritating. (All data from similar materials)
Phosophorodithioic acid, O,O-di-C_1-C_{14}-alkyl esters, zinc salts	Ingestion LD_{50}, Rat >2,000 mg/kg; Dermal, Rabbit, >2,000 mg/kg (All data from similar materials)
Petroleum distillates, hydrotreated heavy paraffinic	Ingestion LD_{50}, Rat >2,000 mg/kg; Dermal, Rabbit, >2,000 mg/kg; Inhalation LC_{50}, Rat 2.18 mg/L 4h

SECTION 12: ECOLOGICAL INFORMATION

1-H Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl-ar-methyl-	Fish: *Brachydianorerio* 96h-LC50 1.3 mg/L OECD 203 Invertebrates: *Daphnia magna* 48h-LC50 1.4 mg/L OECD 202, part 1 Microorganisms: Activated sludge EC50 3h: 69 mg/L OECD 209
Phosophorodithioic acid, O,O-di-C_1-C_{14}-alkyl esters, zinc salts	Freshwater fish: *Pimephales promelas* 96h-LC50 1.5-5.0 mg/L (static) Freshwater fish: *Pimephales promelas* 96h-LC50 10-35.0 mg/L (semi-static) Invertebrates: *Daphnia magna* 48h-LC50 10-1.5 mg/L
Petroleum distillates, hydrotreated heavy paraffinic	Freshwater fish: *Oncorhynchus mykiss* 96h-LC50 >5000 mg/L Invertebrates: *Daphnia magna* 48h-LC50 >1000 mg/L
Polyalphaolefin	Not expected to be harmful to aquatic organisms. Expected to be inherently biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Waste (substance and container material) shall be recycled/recovered or disposed of as applicable and in accordance with community (EU) and local legislation. Recycle wherever possible. Consult state land waste management authority for disposal. Bury at an approved site. Recycle containers if possible, or dispose of in an authorized landfill.
According to the European waste catalogue	Waste Codes are not product specific but application specific. Waste Codes should be assigned by the user based on the application in which the product is used.
For USA disposal	Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

Class or type	US DOT,IMO, ADR, RID, ADN, IMDG, IATA	Non-hazardous

SECTION 15: REGULATORY INFORMATION

TSCA Inventory Status: Y
TSCA 12 (b) Export Notification: Not listed
CERCLA Section 103 (40 CFR 302.4): N
SARA Section 302 (40 CFR 355.30): N
SARA Section 304 (40 CFR 355.40): N
SARA Section 313 (40 CFR 372.65): N

OSHA Process Safety (29 CFR 1910.119): N

SARA Hazard Categories, SARA Sections 311/312 (40 CFR 370.21) -

Acute Hazard: N
Chronic Hazard: N
Fire Hazard: N
Reactivity Hazard: N
Sudden Release Hazard: N

State Regulations: This product may contain a chemical known to the State of California to cause cancer. Formaldehyde (50-00-0) could be present at concentrations no greater than 50 parts per billion.

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS® RATING:	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS