# SAFETY DATA SHEET

AMERICAN INDUSTRIES, INC.
WWW.AMERICANINDUSTRIES.COM

## SECTION 1: IDENTIFICATION

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| **COMPANY NAME:** | AMERICAN INDUSTRIES, INC. | **PRODUCT NAME:** | **MOLY XDL (TUBES)** |
| **ADDRESS LINE 1:** | 4300 Kahn Drive, Box 1405 | **PRODUCT CODE:** | 1679 |
| **ADDRESS LINE 2:** | Lumberton, NC 28359-1405 USA | **PRODUCT USE:** | Extreme Duty Grease |
| **TELEPHONE NUMBERS:** | 800-753-5153 (or) 910-738-7224 | **SDS FILE ID:** | 1679.03 |
| **EMERGENCY PHONE:** | **CHEMTREC 1-800-424-9300** | **SDS DATE:** | 2015-06-01 |
| | | **REPLACES VERSION DATED:** | 2013-05-28 *and all prior versions* |

## SECTION 2: HAZARDS IDENTIFICATION

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| OSHA/HCS status | This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| Label elements | No significant hazard as per GHS. |
| Health hazard | Not expected to be a health hazard when used under normal conditions. Prolonged or repeated skin contact without proper cleaning may clog the skin pores resulting disorders like acne/folliculitis. Used grease may contain harmful impurities/ harmful extraneous substances. |
| Safety hazard | Not classified as flammable but will burn. |
| Environmental hazard | Not classified as environmental hazard under GHS criteria. |
| Precautionary statements | |
| Prevention | Wear protective gloves while handling. Wear eye and face protection. Wash hand thoroughly after handling. |
| Response | If on skin, wash with plenty of soap and water. Remove contaminated cloth and wash thoroughly before use. If skin irritation occurs, get medical advice. If in eyes, wash with water for several minutes, in case of contact lenses, remove and wash with plenty of water. In case of irritation, get medical attention. |
| Storage | Store the product in well-ventilated area. Keep the container straight lid upside. Do not lay upside down or do not keep container horizontally. This product has natural tendency to squeeze oil if not kept properly. |
| Disposal | Take expert advice of local regulatory agency for disposing this product. |
| Hazards not otherwise classified | None as classified under 29 CFR 1900.1200 |

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This material is defined as mixture and has no known hazards under GHS classification.

As per 29 CFR 1910.1200 paragraph (i), formulation is considered as trade secret and therefore specific chemical names and their percentages of components used have not been disclosed. The details about their specific chemical names and their percentages may be provided on request to health professionals, authorized representatives of regulatory authority, employees concerned in accordance with applicable provisions of this paragraph

## SECTION 4: FIRST AID MEASURES

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| General | Not expected to be health hazard if used under normal conditions. |
| Inhalation | Under normal conditions of intended use, this material is not expected to be inhalation hazard. If some symptom exists, remove to fresh air. If not breathing, give artificial respiration. Get medical attention |
| Skin contact | Remove contaminated clothes. Flush exposed area with plenty of water followed by washing by soap, if available. If persistent irritation occurs, obtain medical attention. If product is injected into or under the skin due to any reason, the victim, regardless of size or appearance of wound, victim should be brought immediately to medical attention for emergency surgical needs. Though the initial symptoms due to high pressure injection may be minimal / absent, early surgical treatment may significantly reduce the extent of injury. |

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| Eye contact | Immediately flush with large quantities of cool water for at least 15 minutes. Get medical attention. |
| Ingestion | In general no treatment is necessary unless large quantities are swallowed; however, it is advisable to take medical attention. Do not induce vomiting unless directed by medical personnel. Do not give anything by mouth to an unconscious person. |
| Self-protection of first-aiders | When administering the first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings. |

**SECTION 5: FIRE-FIGHTING MEASURES**

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| Suitable extinguishing media | Water Spray (fog), dry chemical, foam, or carbon dioxide, sand to extinguish flames. |
| Unsuitable extinguishing media | Water stream may splash burning liquid and spread fire. |
| Specific hazards arising from the chemical | Hazardous combustion product may include a complex mixture of airborne solid and liquid particulates and gases (smoke), carbon monoxide, unidentified inorganic and organic compounds**.** |
| Protective equipment and precautions for firefighters | Proper protective equipment include chemical resistant gloves to be worn, chemical resistant suit is recommended when large contact with spill product is expected. Self-contained breathing apparatus (SCBA) must be worn when approaching a fire in confined area. Select the fire fighters clothing approved by relevant standard |

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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| Personal precautions, protective equipment and emergency procedures | Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch and walk through spill area. Do not touch damaged container or spilled material unless wearing appropriate protective clothing/equipment. Ventilate the closed area. |
| Emergency procedures | Isolate the spill / leak area in all directions for about 50 meters (150 ft) for liquids and about 25 meters (75 ft.) for solids and semi-solids. Eliminate all ignition sources (no smoking, flares, sparks / flames in close vicinity). Keep unauthorized persons away and ventilate closed space before entering. |
| Environmental precautions | Use appropriate measures for containment of spilled material to the environment. Prevent from entering/ spreading to drain, water, river, ditches by using sand, earth, floor dryers or other appropriate barriers. |
| Methods and materials for containment and cleaning up | Shovel into suitable properly marked container for disposal or reclamation in accordance with local regulations. |
| Reference to other sections | Refer to section 8 – exposure control / personal protection and section 13-disposal considerations. |

**SECTION 7: HANDLING AND STORAGE**

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| General Precautions | Store in well-ventilated area, if risk of vapor inhalation. Use the information in this data sheet as input for risk management arising due to local conditions which help to manage safe handling of this product. |
| Precautions for safe handling | Avoid prolonged and repeated contact with skin. Avoid inhaling the vapors/mist. When handling the drums, kegs, pails etc., proper safety shoes, and other protective clothes, safety glasses etc. should be worn. Dispose appropriately any contaminated rags/material as per prevailing local allowable practices. Keep containers in closely tight and, cool and well ventilated areas. |
| Conditions for safe storage, including any incompatibilities | Keep containers tightly closed in well-ventilated covered areas. Avoid contact with rain or other water sources. Keep the storage place cool preferably <120 °F / <50 °C. Higher temperature may create pressure buildup inside container and chances of container bursting or leakage may occur under extreme conditions. Keep away from other oxidizing and incompatible materials. |
| Specific End Use (s) | This material should not be used for any other purpose than the intended use as per section 1 without the expert advice |

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| Material | Source | Type | mg/m3 |
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| Mineral Oil | ACGIH | TWA | 5.0 mg/$m^3$ |

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| Crystalline silica (Quartz) | ACGIH TLV | TWA | 0.025 mg/m$^3$ |
| Molybdenum Di Sulphide | ACGIH | - | 10.0 mg/m$^3$ |

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| Additional information | Due to semi-solid nature of the product, generation of mist and dusts is unlikely to occur. |
| Biological exposure index (BEI) | No biological limit allocated. |
| PNEC related information | Data not available. |
| Monitoring methods | Monitoring of the concentration of substances in the breathing zone of workers or in general workplace may be required to confirm the compliance with local governing authority. |
| Engineering measures/controls | Adequate ventilation systems may be needed to control concentrations of airborne contaminants above permissible threshold applicable limits. |
| Respiratory | In case of insufficient ventilation, use suitable respiratory equipment. |
| Eye/face protection | Wear safety goggles. |
| Skin/body protection | Wear safety shoes and protective gloves. |
| Environmental exposure controls | Minimize release to the environment. Follow best practices for site management and disposal of waste as per local regulations |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | |
| Physical state | Semi-solid |
| Color | Black |
| Odor | Slight hydrocarbon |
| Odor Threshold | Not available |
| Boiling point | Not available |
| pH | Not applicable |
| Specific gravity (15$^o$C) (59$^o$F) | 0.87, 7.506 (lbs/gal) |
| Flash point, COC, | 204$^o$C (400$^o$F) |
| Lower and upper flammability limits | Not available |
| Auto-ignition temperature | Not available |
| Flammability | Not available |
| VOC, % wt. ASTM D-972 | 1 |
| Vapor pressure @ ambient temp. | < 0.13 kPa (< 1 mm Hg) |
| Vapor density (air =1) | <1 |
| Explosive properties | Not classified |
| Oxidizing properties | No data available |
| Electrical conductivity | Though no data available, this material is not expected to be a static accumulator. |

## SECTION 10: STABILITY AND REACTIVITY

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| Reactivity | No reactivity is expected under normal conditions of intended use. However, under high temperature or adverse operating conditions thermal / chemical decomposition of the product may be possible. |
| Chemical stability | No hazardous reaction is expected under normal conditions of temperature and pressure. |
| Possibility of hazardous reactions | Hazardous polymerization is not expected. Reacts with strong oxidizing agents. |
| Conditions to avoid | Extreme temperature and direct sunlight / heat /flame. |
| Incompatible materials | Strong oxidizing agent. |
| Hazardous decomposition products | Hazardous decomposition is not expected to form under normal conditions of storage. |

## SECTION 11: TOXICOLOGICAL INFORMATION

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| Basis of assessment | Information given hereby is based on the components and the toxicology of similar products and the data indicated here are representative of the base oil used to make |

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| | this product. |
| Acute oral toxicity | Expected to be low toxicity ; LD 50 (rat) > 5000 mg/kg |
| Acute dermal toxicity | Expected to be low toxicity ; LD 50 > (rat) 3000 mg/kg |
| Acute inhalation toxicity | Not determined. |
| Skin Irritation/Corrosion | Expected to be slightly irritating. Prolonged/repeated contact with skin without adequate cleaning may clog the pores of the skin, may result disorder such as oil acne/folliculitis. |
| Serious eye damage/irritation | Expected to be slightly irritating. |
| Respiratory/skin sensitization | Not determined. |
| Aspiration | Not expected to be aspiration hazard. |
| Germ cell mutagenicity | Not expected a mutagenic hazard. |
| Carcinogenicity | Not considered to be carcinogenic as it contain severely refined which are reported to be non-carcinogenic in lab animal studies. The class of oils used in making this product are not classified as carcinogenic by IARC. |
| Material-Highly refined base oil blend (IP 346 < 3%) | ACGIH group A4 ; not classified as human carcinogen<br>IARC 3; not classified as to carcinogen to humans<br>GHS/CLP, no carcinogenicity classification |

This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA Hazard Communication Standard 29CFR 1910.1200, IARC, or the National Toxicology Program (NTP) at a concentration greater than 0.1%

**SECTION 12: ECOLOGICAL INFORMATION**

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| Basis of assessment | Eco-toxicological data has not been determined specifically on this product. The information given herewith is based on the information given on eco-toxicity of components and/or on similar products. the information given here are representative of the product as whole and not as individual components |
| Toxicity | Sparingly soluble mixture in aqueous media. Not toxic to fish but may coat gill structure and cause suffocation if spilled. This product may cause gastrointestinal distress in birds and mammals through ingestion. |
| Persistence and degradability | Expected to be not readily biodegradable. The major oil component expected to biodegrade over period of 100-120 days in aerobic environment at temperature above 70$^{o}$F (21°C), however finished product contain component that may persist in the environment. |
| Bioaccumulative potential | Mau contain component that bioaccumulate. |
| Mobility in soil | Product is semi-solid in nature in most conditions and may absorb to soil and may not be mobile. It floats on water. |
| Other adverse effects | Product contain the components that have been classified non-volatile in nature and therefore not expected to release to environment in significant quantities. |

**SECTION 13: DISPOSAL CONSIDERATIONS**

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| Product disposal | Try to minimize the product waste by using best applicable practices. It is the responsibility of the waste generator to evaluate the waste classification and appropriate disposal methodology in accordance with the applicable regulation. Do not dispose in to environment, in drain or in river / ponds / water reservoirs. |
| Container disposal | To be disposed in accordance with local prevailing and allowable regulations |

**SECTION 14: TRANSPORT INFORMATION**

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| US DOT | Not required. |
| Canadian TDG | Not required. |
| European | Not required. |
| ADR, IMDG, IATA-DGR | Not classified as hazardous product for land, sea and air transport. |

**SECTION 15: REGULATORY INFORMATION**

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| OSHA Hazard Communication Standard | This material is not considered hazardous in accordance with OSHA HAzCom 2012, 29 CFR 1910.1200. |
| US inventory list | All components are listed or exempted. (TSCA 8b) |

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| SARA 302/304 | | No products were found. | | | |
| SARA 311/312 | | | | | |
| Classification | | Immediate (acute) health hazard, delayed (chronic) health hazard | | | |
| Component | Fire hazard | Sudden release of pressure | Reactive | Acute health hazard | Delayed health hazard |
| Base oil | No | No | No | No | Yes |
| Crystalline Silica (Quartz) | No | No | No | Yes | Yes |
| Molybdenum disulphide | No | No | No | Yes | Yes |

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| SARA 313 Toxic Release Inventory | This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program. |
| New Jersey | Petroleum is listed. |
| California 65 | Crystalline silica ( quartz ) is known cause cancer and / or developmental effect . |
| WHMIS | This product is not a controlled product. |
| Canadian NPRI | None of the components are listed. |
| CEPA toxic substance | None of the components are listed. |
| Europe (EINECS/ELINCS/NLP) | All components are listed or exempted from EU listing requirements. |
| Australia Inventory ( AICS) | All components are listed or exempted. |
| China Inventory ( IECSC) | All components are listed or exempted. |
| Japan Inventory | Not determined. |
| Korea Inventory | All components are listed or exempted. |
| Malaysia Inventory ( EHS Register ) | Not determined. |
| New Zealand inventory of Chemicals ( NZIoC) | All components are listed or exempted. |
| Philippines Inventory ( PICCS) | All components are listed or exempted. |

## SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

| HMIS® RATING: | |
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| HEALTH | 1 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.**

**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***