

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	HT MOLY
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	1684
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	High Temperature Grease
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	1684.02
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2015-06-01
		REPLACES VERSION DATED:	2013-05-09 and all prior versions

SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS status	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Label elements	OSHA HCS 2012
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 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 down 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

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.

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

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

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

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
Mineral Oil	ACGIH	TWA	5.0 mg/m ³

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

Appearance	
Physical state	Semi-solid
Color	Black
Odor	Slight hydrocarbon
Odor Threshold	Not available
Boiling point	Not available
pH	Not applicable
Specific gravity (15°C) (59°F)	0.87, 7.506 (lbs/gal)
Flash point, COC,	204°C (400°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

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

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 IARC 3; not classified as to carcinogen to humans 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

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°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

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

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

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)

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
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:	
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