


SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	TP2
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	1693
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Total Protection Synthetic Grease
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	1693.02
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2016-02-02
		REPLACES VERSION DATED:	2016-01-04 and all prior versions

SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
GHS Classification:	Serious eye damage/eye irritation-Category 2A
Hazard pictograms	
Signal word	Warning
Hazard statements	Causes serious eye irritation.
Precautionary statements:	
General	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	Wear eye or face protection. Wash hands thoroughly after handling.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	Not applicable
Disposal	Not applicable
Hazards not otherwise classified	None Known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Mixture	
Other Means of Identification	Not available	
CAS Number	Not applicable	
Ingredient Name	%	CAS Number
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	1 – 5	68649-42-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: FIRST AID MEASURES

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Potential acute health effects	
Eye contact	Causes serious eye irritation.
Inhalation	No known significant effects or critical hazards
Skin Contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards
Over-exposure signs/symptoms	
Eye Contact	Adverse symptoms may include the following: Pain or Irritation; Watering; Redness
Inhalation	No known significant effects or critical hazards
Skin Contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards
Indication of immediate medical attention and special treatment needed, if necessary	
Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
See toxicological information (Section 11)	

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use dry chemical, CO ₂ , water spray (fog) or foam
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	Water spray or fog, foam, dry chemical, CO ₂
Protective equipment and precautions for firefighters	No specific fire or explosion hazard
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon, monoxide halogenated, compounds metal, oxide/oxides
Special protective actions for fire-fighters	No special measures are required.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-

emergency personnel".

Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up	
Small spill	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	
Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	None
Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Hand protection	
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Semi-solid
Color	Grayish-Black
Odor	Petroleum Oil
Odor Threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash point	Open cup: 282.22°C (540°F) [Cleveland]
Burning Time	Not available
Burning rate	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower and upper explosive (flammable) limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.95 g/ml
Solubility	Insoluble in water
Partition coefficient" n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
SADT	Not available
Viscosity	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Welding
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	There is no data available
Irritation/Corrosion	There is no data available
Sensitization	There is no data available
Mutagenicity	There is no data available
Carcinogenicity	There is no data available
Reproductive toxicity	There is no data available
Teratogenicity	There is no data available
Specific target organ toxicity (single exposure)	There is no data available

Specific target organ toxicity (repeated exposure)	There is no data available		
Aspiration hazard	There is no data available		
Information on the likely routes of exposure	Ingestion		
Potential acute health effects	Eye contact	Causes serious eye irritation	
	Inhalation	No known significant effects or critical hazards	
	Skin contact	No known significant effects or critical hazards	
	Ingestion	No known significant effects or critical hazards	
Symptoms related to the physical, chemical and toxicological characteristics	Eye contact	Adverse symptoms may include pain or irritation, watering, redness	
	Inhalation	No known significant effects or critical hazards	
	Skin contact	No known significant effects or critical hazards	
	Ingestion	No known significant effects or critical hazards	
Delayed and immediate effects and also chronic effects from short and long term exposure	Short term exposure potential immediate effects	No known significant effects or critical hazards	
	Short term exposure potential delayed effects	No known significant effects or critical hazards	
	Long term exposure potential immediate effects	No known significant effects or critical hazards	
	Long term exposure potential delayed effects	No known significant effects or critical hazards	
Potential chronic health effects	General	No known significant effects or critical hazards	
	Carcinogenicity	No known significant effects or critical hazards	
	Mutagenicity	No known significant effects or critical hazards	
	Teratogenicity	No known significant effects or critical hazards	
	Developmental effects	No known significant effects or critical hazards	
	Fertility effect	No known significant effects or critical hazards	
Numerical measures of toxicity-Acute toxicity estimates	Oral	ATE VALUE	60769.2 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity			
Product/Ingredient Name	Result	Species	Exposure
Phosphorodithioic acide, O,O-di-C1-14-alkyl esters, zinc salts	Acute EC50 1 to 5 mg/L	Algae	96 hours
	Acute EC50 1 to 5 mg/L	Crustaceans	48 hours
	Chronic LC50 1 to 5 mg/L	Fish	96 hours

Persistence and degradability	There is no data available
Bioaccumulative potential	There is no data available
Mobility in soil-Soil/water partition coefficient (Koc)	Not available
Other adverse effects	No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned
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or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

SECTION 14: TRANSPORT INFORMATION

DOT Not regulated.
 Environmental hazards No
 Special precautions for user **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage
 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available

SECTION 15: REGULATORY INFORMATION

US Federal regulations
 TSCA 8(a) Pair Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
 TSCA 8(a) CDR Exempt/partial exemption Not determined
 United States inventory (TSCA 8b) All components are listed or exempted
 Clean Water Act (CWA)307 Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
 Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) Not listed
 Clean Air Act Section 602 Class I Substances Not listed
 Clean Air Act Section 602 Class II Substances No listed
 DEA List I Chemicals (Precursor Chemicals) Not listed
 DEA :List II Chemicals (Essential Chemicals) Not listed
 Sara 302/304 Composition/information on ingredients No products were found
 SARA 304 RQ Not applicable
 SARA 311/312 Classification Immediate (acute)health hazard
 Composition/Information on ingredients

Name	%	Fire Hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	1-5	No	No	No	Yes	No

SARA 313

	Product Name	CAS Number	%
Form R-Reporting requirements	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	1-5
Supplier notification	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	1-5

SARA 313 notifications must not be detached from the SDS; and, any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State Regulations

Massachusetts The following components are listed:
 Distillates (petroleum) Hydro-treated light Naphthenic Molybdenum disulfide
 New York None of the components are listed
 New Jersey The following components are listed:
 Residual oils (petroleum), Solvent-dewaxed Distillates (petroleum), Hydro-treated heavy paraffinic Distillates (petroleum) Hydro-treated light Naphthenic Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
 Pennsylvania The following components are listed:
 Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

California Prop 65 No products were found

International regulations

Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Korea inventory: All components are listed or exempted.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempt.

Chemical Weapons Convention List Schedule I Chemicals	Not listed
Chemical Weapons Convention List Schedule II Chemicals	Not listed
Chemical Weapons Convention List Schedule III Chemicals	Not listed

Petroleum components contained in this product meet the IP 346 criteria of less than 3 percent DMSO - extractable components

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	1*
FLAMMABILITY	1
PHYSICAL HAZARD	1

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