

# HI-GEAR TOTAL CLEAN EMISSION IMPROVER WITH SMT<sup>2</sup>

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## MATERIAL SAFETY DATA SHEET

### 1. General Information

Name of Supplier:

NLS Products

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Manufacture: Hi-Gear Products, Inc. 14 Brent Drive. Hudson, MA 01749 USA

Canada / US Emergency Response Chem-Trek # 1-800-424-9300

Product Name: HI-GEAR Total Clean Emission Improver with SMT<sup>2</sup>

Product Number: HG4242 – 946 ml,

HMIS Code:

Health-2

Flammability-2

Reactivity-0

### SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS/Reg No.	Percentage	Exposure Limits
#2 Diesel Fuel	68334-30-5	44-45	Not Established
1-Nonene	124-11-8	44-45	Not Established
Solvent Naptha, light aromatic	64742-95-6	4.0-9.0%	OSHA TWA 500 PPM ACGIH TLV Not Established
Benzene, 1,2,4 – trimethyl	95-63-6	1.0 – 5.0%	OSHA TWA 25 PPM ACGIH TLV 25 PPM
Xylene	1330-20-7	0.1 – 1.0%	OSHA TWA 100 PPM ACGIH TLV 150 STEL
Cumene	98-82-8	0.1 – 1.0%	OSHA TWA 50 PPM/Skin ACGIH TLV 50 PPM
O-Xylene	95-47-6	0.1-1.0%	OSHA TWA 100 PPM ACGIH TLV 150 PPM STEL
N-Propylbenzene	103-65-1	0.1-1.0%	OSHA TWA Not Established ACGIH TLV Not Established
Benzene, 1,2,3-trimethyl	526-73-8	0.1-1.0%	OSHA 500 PPM ACGIH TLV Not Established
Benzene, 1,3, 5-trimethyl	108-67-8	0.1-1.0%	OSHA TWA 500 PPM ACGIH TLV Not Established
Polyolefin alkyl phenol Alkylamine mixture	N/A	1.0-5.0%	OSHA TWA Not Established ACGIH TLV Not Established
2-Ethyl hexanol	104-76-7	0.1-1.0%	OSHA TWA Not Established ACGIH TLV Not Established
Fragrance Mask Trade Secret	N/A	< 0.5%	OSHA TWA Not Established ACGIH TLV Not Established
SMT <sup>2</sup> Trade Secret	N/A	< 4.0%	OSHA TWA Not Established ACGIH TLV Not Established

### SECTION 3 – HAZARDS IDENTIFICATION

**Warning:** Flammable liquid. Aspiration of liquid into the lungs can produce chemical pneumonia. Prolonged and/or repeated contact may cause skin irritation and dermatitis.

**Eyes:** Burning and irritation

**Skin Contact:** Dryness, irritation. Prolonged contact may cause dermatitis.

**Inhalation:** Vapor may cause dizziness and headache. Mist may cause breathing problems.

**Ingestion:** May cause irritation or burns to the gastro-intestinal tract.

**Other:** Pre-existing medical conditions may be aggravated.

### SECTION 4 – EMERGENCY FIRST AID MEASURES

**Ingestion:** Aspiration during ingestion could result in chemical pneumonitis and possible death. If aspiration occurs, seek medical attention immediately. Delayed onset of chemical pneumonitis could occur after physical exertion.

**Inhalation:** Remove person to fresh air. Give artificial respiration if indicated. Seek medical attention immediately.

**Skin Contact:** Wash skin thoroughly with plenty of soap and water. Remove contaminated clothing and wash before reuse. Discard contaminated leather gloves and shoes.

**Eye Contact:** Flush eyes with clean, water for a minimum of 15 minutes. Occasionally lift the upper and lower eyelids. If pain or redness persists after flushing, seek medical attention immediately.

### SECTION 5 — FIREFIGHTING MEASURES

**Flash Point:** 100°F, minimum Method: Estimated

**Extinguishing Media:** Use carbon dioxide, alcohol resistant foam, dry chemical or water spray.

**Flammable Limits:** 0.7 – 5.0%

**Auto Ignition:** ~ 410° F

**Hazardous Combustion Products:** Use dry chemical, carbon dioxide, powder, foam or water spray.

**Special Fire Fighting Procedures:** Do not enter confined areas without proper PPE including SCBA to protect against hazardous combustion products. Cool tanks and containers exposed to fire with water, burning liquid will float on water. Keep away from sewers and waterways.

**Unusual Fire/Explosion Hazards:** Above 37° C explosive vapor/air mixtures may be formed.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spills or Leaks:** Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills, implement cleanup procedure; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Prevent liquid from entering sewers, waterways or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping (use and explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up. Remove from water surfaces by skimming or with suitable absorbents.

### SECTION 7 –HANDLING AND STORAGE

**Handling Precautions:** Use proper grounding procedures. Rinse immediately if in contact with eyes or skin, or clothing. Do not take internally. Wash thoroughly after handling. Avoid breathing mist or vapor. Use only with adequate ventilation.

**Storage Requirements:** Keep container closed when not in use. Handle open containers with care. Store in a cool, well-ventilated place away from incompatible materials. DO NOT handle or store near an open flame, heat or other ignition sources. Protect material from direct sunlight.

**Other:** Use explosion proof machinery. Assure grounding and bonding of containers is done before use of product to help prevent possible static build-up.

## SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Protection Gloves:</b>	Wear impervious protective gloves, such as Nitrile, Neoprene, or PVA.
<b>Respiratory Controls:</b>	Assure adequate ventilation to keep oil mists under safe limits. When necessary, wear NIOSH approved respirators with organic vapor cartridges and oil pre-filters or SCBA.
<b>Skin Protection:</b>	Avoid prolonged or repeated exposure. Chemicals in mixture can be absorbed through the skin, so prevent contact by wearing impervious protective clothing and long sleeves.
<b>Eye Protection:</b>	Safety glasses should be adequate protection under most conditions of use. Wear goggles and/or face shield if splashing or spraying is likely. Have suitable eye wash available.
<b>Ventilation:</b>	Required when spraying or using at elevated temperatures that may generate oil mists. Use explosion proof ventilation system. Provide fans or local ventilation as needed or indicated.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Specific Gravity:</b> Not determined for Blend		<b>Vapor Pressure:</b> 1-10 mm Hg @ 100° F	
<b>Vapor Density:</b> ~4.5	<b>Volatile by Volume:</b> Not available		<b>Evaporation Rate:</b> Not available
<b>Boiling Point:</b> 150° - 570°F		<b>Molecular Weight:</b> Not Determined	
<b>Appearance and Odor:</b> Clear liquid. Characteristic petroleum odor.			
<b>Solubility in Water:</b> Negligible		<b>Freezing:</b> Not applicable	<b>pH:</b> Not Applicable

## SECTION 10 – STABILITY AND REACTIVITY INFORMATION

<b>Stability:</b>	This material is usually stable.
<b>Conditions to Avoid:</b>	Excessive heat and sources of ignition such as sparks for welding equipment, open flames, cigarettes, etc.
<b>Incompatibilities:</b>	Strong oxidizers.
<b>Hazardous Decomposition:</b>	Combustion products could include carbon monoxides and dioxides, aldehydes, and other hydrocarbons.
<b>Hazardous Polymerization:</b>	Will not occur

## SECTION 11 – TOXICOLOGY INFORMATION

<b>Carcinogenicity:</b>	<b>NTP:</b> NO	<b>IARC:</b> 2B	<b>OSHA Regulated:</b> No
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Substance	LD50	LC50
Xylene	5,000 mg. Kg for Rats	
Benzene,1,3,5-trimethetyl/108-67-8	No Information	Inhalation rat LC50. 24mg/m <sup>3</sup> / 4 H

## SECTION 12 – ECOLOGICAL INFORMATION

Substance	Food Chain CON Potential	Waterfowl Toxicity	BOD	Aquatic Toxicity
Xylene	No Info Available	Toxic	Not Available	Toxic
O-Xylene/95-47-6	1.3 for Eels	Slightly Toxic	No Info Available	Slightly Toxic

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal:** Dispose all used and unused product in accordance with all applicable local, state, and federal regulations/laws. Contact your local or state agency for specific rules and/or regulations. Handle in a manner acceptable for good waste management practices.

## SECTION 14 – TRANSPORTATION INFORMATION

**DOT Shipping Name:** Flammable Liquids n.o.s. (contains: #2 Diesel Fuel, 1-Nonene, Xylene, Solvent Naptha, 1,2,5, Trimethylbenzene), 3, UN 1993, PG-111

**Labels Required:** Flammable

**Ocean (IMDG):** Class 3 liquid, flammable

**Air (IATA):** Class 3 liquid, flammable

**WHMIS(Canada):** Flammable liquid

This description is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions.

## SECTION 15 – REGULATORY INFORMATION

**TSCA:** Components of this product are listed on the TSCA Inventory. This information may be subject to the provisions of the Community Right-To-Know Reporting Requirement (40 CFR 370). This product does not contain Section 313 Reportable Ingredients.

Substance	SARA 313	TSCA Inventory	CERCLA RQ
Benzene, 1,2,4-Trimethyl/95-63-6	Yes	Yes	
Xylene/1330-20-7	Yes	Yes	100 lbs
Cumene/98-82-8	Yes	Yes	5,000 lbs
O-Xylene/95-47-6	Yes	Yes	1,000 lbs

## SECTION 16 – DISCLAIMER

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). *To the best of our knowledge, the information contained herein is accurate; obtained from sources believed by NLS Products to be accurate. Since the conditions and methods of use of our product are beyond our control, we disclaim any and all liability arising out of the improper use of this product or the information provided herewith.*

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