

Safety Data Sheet

Product identifier used on the label:
BLUE DEV HEAD GSKT REPR 12/16OZ
Product Code: BDH00212
Revision Date: 02-10-2025
Replaces: None

1. Identification

Product identifier used on the label:

BLUE DEV HEAD GSKT REPR 12/16OZ

Product Code:
Other means of identification:

BDH00212

BDEV0021212

Other means of identification:

Synonyms: No data available

Recommended use of the chemical and restrictions on use:

Recommended use: Lubricants and performance fluids for the automotive industry

Restrictions on use: Uses other than those described above

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Highline Warren LLC

8700 Trail Lake Drive West

Suite 300

Memphis, TN 38125

Phone number: +01 (901) 437-8615

E-mail address: sds@highlinewarren.com

Emergency phone number: CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:



GHS Classification:

Substance or mixture corrosive to metals Category 1

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 2A

Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2

Signal Word:

Warning

Hazard Statements:

May be corrosive to metals; Causes skin irritation; Causes serious eye irritation; May cause damage to organs through prolonged or repeated

Safety Data Sheet

Product identifier used on the label:

BLUE DEV HEAD GSKT REPR 12/16OZ

Product Code: BDH00212

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exposure

Precautionary Statements:

Prevention:

Keep only in original container. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. Specific treatment (see Sections 4 - 8 of Safety Data Sheet). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Absorb spillage to prevent material damage.

Storage:

Store in corrosive resistant container with a resistant inner liner.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified:

No data available

% unknown toxicity (Dermal): 60 % of the mixture consists of ingredient(s) of unknown toxicity.

% unknown toxicity (Inhalation Vapor): 100 % of the mixture consists of ingredient(s) of unknown toxicity.

% unknown toxicity (Inhalation Dust): 70 % of the mixture consists of ingredient(s) of unknown toxicity.

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Sodium silicate	No data available	1344-09-8	10 - 30
Ethylene glycol	No data available	107-21-1	5 - 10

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation:

Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen and get medical attention immediately.

Safety Data Sheet

Product identifier used on the label:

BLUE DEV HEAD GSKT REPR 12/16OZ

Product Code: BDH00212

Revision Date: 02-10-2025

Replaces: None

Eye Contact:	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 advice/attention.
Skin Contact:	Store in corrosive resistant container with a resistant inner liner. If on skin: Wash with plenty of water. Specific treatment (see Sections 4 - 8 of Safety Data Sheet). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Ingestion:	Severely irritating. Do not induce vomiting. Seek medical attention immediately. Drink 2 glasses of water or milk to dilute.
Most important symptoms/effects, acute and delayed:	Nausea Mental confusion. Drowsiness. Vomiting.
Indication of immediate medical attention and special treatment needed, if necessary:	Specific treatment (see Sections 4 - 8 of Safety Data Sheet). Get medical advice/attention if you feel unwell.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

Unsuitable extinguishing media: No data available

Specific hazards arising from the chemical: Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

Hazardous combustion products: Toxic gases, Silicon dioxide

Special protective equipment and precautions for fire-fighters: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

Safety Data Sheet

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods and materials for containment and cleaning up:

Absorb spillage to prevent material damage.

7. Handling and storage

Precautions for safe handling: Keep only in original container.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions: Store in corrosive resistant container with a resistant inner liner.

Materials to Avoid/Chemical Incompatibility: Strong oxidizing agents, Aluminum, Metals, Strong bases, Strong acids

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH	US WEEL
Ethylene glycol	No PEL	25 ppm TWA (vapor fraction)	50 ppm STEL (vapor fraction); 10 mg/m ³ STEL (inhalable particulate matter, aerosol only)	No data available	No data available

Appropriate engineering controls:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical

Safety Data Sheet

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BLUE DEV HEAD GSKT REPR 12/16OZ

Product Code: BDH00212

Revision Date: 02-10-2025

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specific standard in 29 CFR 1910. Ventilation is required to maintain operator exposure below published exposure limits. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Individual protection measures, such as personal protective equipment:

Respiratory Protection:

Do not breathe dust/fume/gas/mist/vapors/spray.

Respirator Type(s):

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye protection:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available. Wear goggles and a Face shield.

Skin protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

Gloves:

Wear appropriate protective gloves to prevent skin exposure.

Other protective equipment:

Wear goggles and a Face shield. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

General hygiene conditions:

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state: Liquid

Color: Blue

Safety Data Sheet

Product identifier used on the label:

BLUE DEV HEAD GSKT REPR 12/16OZ

Product Code: BDH00212

Revision Date: 02-10-2025

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Odor:	Not determined
Odor Threshold:	Not determined
pH:	No data available
Melting point/freezing point:	
Melting Point:	No data available
Freezing point:	No data available
Initial boiling point and boiling range (°C):	No data available
Flash Point (°C):	94
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammability or explosive limits:	Not established
Lower flammability or explosive limits:	Not established
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	1.23
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition Temperature:	No determined
Viscosity:	No data available

10. Stability and reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None expected under standard conditions of storage.
Conditions to avoid (e.g., static discharge, shock, or vibration):	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Contamination.

Safety Data Sheet

Product identifier used on the label:

BLUE DEV HEAD GSKT REPR 12/16OZ

Product Code: BDH00212

Revision Date: 02-10-2025

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Incompatible materials: Strong oxidizing agents, Aluminum, Metals, Strong bases, Strong acids

Hazardous decomposition products: Silicon dioxide

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Eye contact, Skin contact, Ingestion, Inhalation

Symptoms related to the physical, chemical and toxicological characteristics: Nausea Mental confusion. Drowsiness. Vomiting.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion: Harmful if swallowed. May cause systemic poisoning. Likely to be practically non-toxic by ingestion based on animal data.

Skin Contact: Causes skin irritation.

Inhalation: Likely to be practically non-toxic based on animal data.

Eye Contact: Causes serious eye irritation

Sensitization: Non-hazardous under Respiratory Sensitization category.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Carcinogenicity: None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

Reproductive toxicity Not known or reported to cause reproductive or developmental toxicity.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Classification has been based on toxicological information of the components in Section 3.

Aspiration hazard: Based on available data, the classification criteria are not met.

Other information: None known.

Safety Data Sheet

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BLUE DEV HEAD GSKT REPR 12/16OZ

Product Code: BDH00212

Revision Date: 02-10-2025

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Numerical measures of toxicity (such as acute toxicity estimates) Based on available data, the classification criteria are not met.

Is the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife.

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Ethylene glycol	107-21-1	EC50 (48h) Daphnia magna 46300 mg/L	EC50 (96h) Pseudokirchneriella subcapitata 6500 - 13000 mg/L	LC50 (96h) Poecilia reticulata (Guppy) 16000 mg/L LC50 (96h) Pimephales promelas (Fathead Minnow) 40000 - 60000 mg/L LC50 (96h) Rainbow Trout 40761 mg/L LC50 (96h) Lepomis macrochirus (Bluegill) 27540 mg/L LC50 (96h) Rainbow Trout 14 - 18 ml/l LC50 (96h) Rainbow Trout 41000 mg/L
Sodium silicate	1344-09-8	No data available	No data available	LC50 (96h)

Safety Data Sheet

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BLUE DEV HEAD GSKT REPR 12/16OZ

Product Code: BDH00212

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				BRACHYDANIO RERIO 3185 mg/L LC50 (96h) Lepomis macrochirus (Bluegill) 301 - 478 mg/L
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Persistence and degradability: Biodegrades quickly.

Bioaccumulative potential: Bioconcentration is not expected to occur.

Mobility in soil: This material is expected to have high mobility in soil. It absorbs weakly to most soil types.

Other adverse effects (such as hazardous to the ozone layer): None known.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Dispose of contents and container in accordance with local/regional/national/international regulations.

Contaminated packaging: Empty containers may contain residues. Dispose of in the same way as waste product.

14. Transport information

Carriage of dangerous goods by road (DOT), rail or inland waterways:

International carriage of dangerous goods by sea (IMDG/IMO):

UN number: Not regulated by IMDG

UN Proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group, if applicable: Not applicable

International carriage of dangerous goods by air (IATA):

UN number: Not regulated by IATA

UN Proper shipping name: Not applicable

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Transport hazard class(es): Not applicable

Packing group, if applicable: Not applicable

Environmental hazards (e.g., Marine pollutant (Yes/No)): None.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): No data available

Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises: No data available

15. Regulatory information

Safety, health and environmental regulations specific for the product in question:

TSCA Status: All components of this material are on the Active US TSCA Inventory or are exempt.

Regulated Components:

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Sodium silicate	1344-09-8	N	N	N	N
Ethylene glycol	107-21-1	Y	N	Y	Y

Chemical Name	CAS #	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Sodium silicate	1344-09-8	N	N	N	N
Ethylene glycol	107-21-1	N	Y	N	N

California Prop 65

WARNING: This product can expose you to chemicals including Acetaldehyde, which are known to the State of California to cause cancer, and Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Safety Data Sheet

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Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Sodium silicate	1344-09-8	N	N	N	N	N
Ethylene glycol	107-21-1	Y	Y	Y	N	Y

16. Other information, including date of preparation or last revision.

SDS Prepared by:	MCHONGOOFAFA
Revision Date:	02-10-2025
Revision Number:	1
Reason for revision:	NEW FORMULA
References:	No data available
Other Info:	No data available
Disclaimer:	This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.