

**BYK GS-393**

Version 1

Revision Date 05/17/2026

Print Date 06/18/2026

**SECTION 1. IDENTIFICATION**

Product name : BYK GS-393

**Manufacturer or supplier's details**Company : BYK USA LLC  
524 South Cherry Street  
Wallingford CT 06492

Telephone : (203) 265-2086

Visit our web site : [www.byk.com](http://www.byk.com)E-mail address : [BRIEF.BYK.NAFTA@altana.com](mailto:BRIEF.BYK.NAFTA@altana.com)Emergency telephone : 203-265-2086; CHEMTREC 1-800-424-9300 / +1  
number 703-527-3887**Recommended use of the chemical and restrictions on use**

Recommended use : oilfield

Restrictions on use : Refer to Section 15 for any restrictions that may apply

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids : Category 4

Acute toxicity (Oral) : Category 4

Carcinogenicity : Category 2

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H227 Combustible liquid.  
H302 Harmful if swallowed.  
H351 Suspected of causing cancer.Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ protective clothing/ eye protection/

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face protection.

**Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture  
 Chemical nature : Polyglycol

**Hazardous components**

Component	CAS-No.	Concentration (%)
Polyimine	-	>= 80 - < 100
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	>= 5 - < 10
Naphthalene	91-20-3	>= 0.1 - < 1

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
 Show this safety data sheet to the doctor in attendance.  
 Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
 If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.  
 If on clothes, remove clothes.

In case of eye contact : Flush eyes with water as a precaution.  
 Remove contact lenses.  
 Protect unharmed eye.  
 Keep eye wide open while rinsing.  
 If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.  
 Keep respiratory tract clear.

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Notes to physician : Do not give milk or alcoholic beverages.  
 Never give anything by mouth to an unconscious person.  
 If symptoms persist, call a physician.  
 Take victim immediately to hospital.  
 : No information available.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Alcohol-resistant foam  
 Carbon dioxide (CO<sub>2</sub>)  
 Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Cool closed containers exposed to fire with water spray.  
 Do not allow run-off from fire fighting to enter drains or water courses.  
 Handle as an industrial chemical.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).  
 Nitrogen oxides (NO<sub>x</sub>)

Further information : For safety reasons in case of fire, cans should be stored separately in closed containments.  
 Use a water spray to cool fully closed containers.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.  
 Prevent further leakage or spillage if safe to do so.  
 If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
 Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Avoid formation of aerosol.  
 Do not breathe vapours/dust.

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Avoid exposure - obtain special instructions before use.  
 Avoid contact with skin and eyes.  
 For personal protection see section 8.  
 Smoking, eating and drinking should be prohibited in the application area.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : No smoking.  
 Keep container tightly closed in a dry and well-ventilated place.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Keep away from oxidizing agents.  
 Keep away from strong bases.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
Naphthalene	91-20-3	TWA	10 ppm	ACGIH
Naphthalene		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA Z-1
Naphthalene		TWA	10 ppm 50 mg/m <sup>3</sup>	OSHA P0
Naphthalene		STEL	15 ppm 75 mg/m <sup>3</sup>	OSHA P0

Hazardous components without workplace control parameters

**Engineering measures** : Use with local exhaust ventilation.

**Personal protective equipment**

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection

Material : butyl-rubber

Break through time : &gt; 480 min

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection

: Impervious clothing

Choose body protection according to the amount and

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Hygiene measures : concentration of the dangerous substance at the work place.  
: When using do not eat or drink.  
: When using do not smoke.  
: Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state : liquid  
Colour : brown  
Odour : aromatic  
Odour Threshold : No data available  
  
pH : No data available  
  
Melting point/freezing point : No data available  
Initial boiling point and boiling range : No data available  
Vapour pressure : No data available  
  
Flash point : 149.9 °F (65.5 °C)  
Method: closed cup  
  
Upper explosion limit : 7 %(V)  
Lower explosion limit : 1 %(V)  
  
Evaporation rate : No data available  
Flammability (solid, gas) : No data available  
Relative vapour density : > 1  
Relative Density/Specific Gravity : No data available  
Density : 0.9917 g/cm<sup>3</sup> (68 °F (20 °C))  
  
Solubility(ies)  
Water solubility : negligible  
  
Solubility in other solvents : No data available  
Partition coefficient: n-octanol/water : No data available  
Ignition temperature : No data available  
Thermal decomposition : No data available  
Viscosity

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Viscosity, dynamic	: 1.23 mPa.s (77 °F (25 °C))
Viscosity, kinematic	: No data available
Surface tension	: No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: Stable No decomposition if stored and applied as directed.
Chemical stability	: Stable No decomposition if stored normally.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Incompatible with strong bases and oxidizing agents.
Hazardous decomposition products	: No decomposition if stored and applied as directed.

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : 555.56 mg/kg  
Method: Calculation method

**Components:****91-20-3 Naphthalene:**

Acute oral toxicity : LD50 (Mouse): 316 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 340 ppm  
Exposure time: 1.00 h

Acute dermal toxicity : LD50 (Rat): > 2,500 mg/kg

**Skin corrosion/irritation****Product:**

Remarks: No data available

**Components:****91-20-3 Naphthalene:**

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Species: Rabbit  
 Method: Draize Test  
 Result: Severe skin irritation

**Serious eye damage/eye irritation**
**Product:**

Remarks: No data available

**Components:**
**91-20-3 Naphthalene:**

Species: Rabbit  
 Result: Mild eye irritation  
 Method: Draize Test

**Respiratory or skin sensitisation**
**Product:**

Remarks: No data available

**Carcinogenicity**
**IARC**

Group 2B: Possibly carcinogenic to humans

Naphthalene

91-20-3

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

Reasonably anticipated to be a human carcinogen

Naphthalene

91-20-3

**Repeated dose toxicity**
**Product:**

Remarks: No data available

**Further information**
**Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity**
**Product:**

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Toxicity to fish :  
Remarks: No data available

Toxicity to daphnia and other :  
aquatic invertebrates : Remarks: No data available

**Persistence and degradability**
**Product:**

Biodegradability : Remarks: No data available

**Bioaccumulative potential**
**Product:**

Bioaccumulation : Remarks: No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological : No data available  
information

**SECTION 13. DISPOSAL CONSIDERATIONS**
**Disposal methods**

EPA Hazardous Waste : Not applicable.  
Code(s)

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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**SECTION 14. TRANSPORT INFORMATION**
**International Regulations**
**IATA-DGR**

UN/ID No. : UN 3082  
 Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
 (Aziridine, polymer with 2-methyloxirane, naphthalene)  
 Class : 9  
 Packing group : III  
 Labels : Miscellaneous Dangerous Goods  
 Packing instruction (cargo aircraft) : 964  
 Packing instruction (passenger aircraft) : 964

**IMDG-Code**

UN number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
 N.O.S.  
 (Aziridine, polymer with 2-methyloxirane, naphthalene)  
 : )  
 Class : 9  
 Packing group : III  
 Labels : 9  
 EmS Code : F-A, S-F  
 Marine pollutant : yes  
 Remarks : IMDG Code segregation group - none

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**
**49 CFR**

UN/ID/NA number : NA 1993  
 Proper shipping name : Combustible liquid, n.o.s.  
 (Solvent naphtha, naphthalene)  
 Class : CBL  
 Packing group : III  
 Labels : Combustible liquid  
 Marine pollutant : yes (Solvent naphthanaphthalene)

**SECTION 15. REGULATORY INFORMATION**

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

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Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Naphthalene	91-20-3	100	12500

**SARA 304 - Emergency Release Notification**

This material does not contain any components with a section 304 EHS RQ.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

This material does not contain any components with a SARA 302 RQ.

**SARA 311/312 Hazards** : Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Naphthalene	91-20-3	.8 %
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**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM1 Intermediate or Final VOC's (40 CFR 60.489).

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

Polyimine	-
Solvent naphtha (petroleum), heavy aromatic	64742-94-5
Naphthalene	91-20-3

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**New Jersey Right To Know**

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : 800963-6010

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including Naphthalene, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:**

- TSCA : A polymer in this product is exempt from Inventory listing because it meets the polymer exemption under 40 CFR 723.250. Importers or manufacturers of exempt polymers are subject to recordkeeping and reporting; processors are not subject to these requirements.
- TSCA Inventory Active List : All components of this product are listed active and/or are exempt
- DSL : On the inventory, or in compliance with the inventory

**SECTION 16. OTHER INFORMATION**

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.