SAFETY DATA SHEET



1. Identification

Product identifier GRAPHITAN BLACK

Other means of identification

Product Code MT-91LV-QT Recommended use Not available.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name **Quest Automotive Products**

Address 600 Nova Drive SE

Massillon, OH 44646

United States

Telephone General Assistance (330) 830-6000

E-mail rpandrus@quest-ap.com

Contact person Ron Andrus

Emergency phone number CHEMTREC (800) 424-9300

2. Hazard(s) identification

Physical hazards Flammable liquids Category 2 **Health hazards** Acute toxicity, oral Category 4 Acute toxicity, inhalation Category 3 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Sensitization, skin Category 1 Reproductive toxicity Category 1

> Specific target organ toxicity, single exposure Category 3 narcotic effects

Hazardous to the aquatic environment, acute **Environmental hazards** Category 3

hazard

long-term hazard

Category 3 Hazardous to the aquatic environment,

Not classified. **OSHA** defined hazards

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. May cause an

allergic skin reaction. Causes serious eye irritation. Toxic if inhaled. May cause drowsiness or dizziness. May damage fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life

with long lasting effects.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Material name: GRAPHITAN BLACK SDS US MT-91LV-QT Version #: 01 Issue date: 05-08-2015

Response

If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

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

Hazard(s) not otherwise classified (HNOC) Supplemental information Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

63.02% of the mixture consists of component(s) of unknown acute oral toxicity. 81.46% of the mixture consists of component(s) of unknown acute inhalation toxicity. 91.16% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 91.02% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methyl acetate		79-20-9	10 to <20
2-Heptanone		110-43-0	5 to <10
graphite		7782-42-5	5 to <10
n-butyl acetate		123-86-4	5 to <10
1-Methoxy-2-propyl acetate		108-65-6	1 to <5
2-Butoxyethyl acetate		112-07-2	1 to <5
Butyl benzyl phthalate		85-68-7	0.1 to <1
liquid HALS		41556-26-7	0.1 to <1
Other components below reportable leve	els		60 to <70

^{*}Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or

artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other

proper respiratory medical device. Call a POISON CENTER or doctor/physician.

Remove contaminated clothing immediately and wash skin with soap and water. In case of Skin contact eczema or other skin disorders: Seek medical attention and take along these instructions. Wash

contaminated clothing before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Material name: GRAPHITAN BLACK SDS US

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods General fire hazards Use standard firefighting procedures and consider the hazards of other involved materials.

Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions. protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid

discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Use appropriate containment to avoid environmental contamination.

Material name: GRAPHITAN BLACK

SDS US MT-91LV-QT Version #: 01 Issue date: 05-08-2015

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Occupational exposure limits

Components	Туре	Value	Form
2-Heptanone (CAS 110-43-0)	PEL	465 mg/m3	
,		100 ppm	
graphite (CAS 7782-42-5)	PEL	5 mg/m3	Respirable fraction.
,		15 mg/m3	Total dust.
Methyl acetate (CAS 79-20-9)	PEL	610 mg/m3	
		200 ppm	
n-butyl acetate (CAS 123-86-4)	PEL	710 mg/m3	
,		150 ppm	
US. OSHA Table Z-3 (29 CFR 1910.1000)		
Components	, Туре	Value	
graphite (CAS 7782-42-5)	TWA	15 mppcf	
US. ACGIH Threshold Limit Values			
Components	Туре	Value	Form
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	20 ppm	
	TWA	50 ppm	
110-43-0)	TWA TWA	50 ppm 2 mg/m3	Respirable fraction.
110-43-0) graphite (CAS 7782-42-5) Methyl acetate (CAS			Respirable fraction.
110-43-0) graphite (CAS 7782-42-5) Methyl acetate (CAS	TWA	2 mg/m3	Respirable fraction.
2-Heptanone (CAS 110-43-0) graphite (CAS 7782-42-5) Methyl acetate (CAS 79-20-9) n-butyl acetate (CAS 123-86-4)	TWA STEL	2 mg/m3 250 ppm	Respirable fraction.

Material name: GRAPHITAN BLACK

SDS US

US. NIOSH: Pocket Guide to Chem Components	nical Hazards Type	Value	Form
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	33 mg/m3	
•		5 ppm	
2-Heptanone (CAS 110-43-0)	TWA	465 mg/m3	
,		100 ppm	
graphite (CAS 7782-42-5)	TWA	2.5 mg/m3	Respirable.
Methyl acetate (CAS 79-20-9)	STEL	760 mg/m3	
,		250 ppm	
	TWA	610 mg/m3	
		200 ppm	
n-butyl acetate (CAS 123-86-4)	STEL	950 mg/m3	
,		200 ppm	
	TWA	710 mg/m3	
		150 ppm	
US. Workplace Environmental Exp	osure Level (WEEL) Guides		
Components	Туре	Value	
1-Methoxy-2-propyl acetate (CAS 108-65-6)	TWA	50 ppm	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US - California OELs: Skin designation

1-Methoxy-2-propyl acetate (CAS 108-65-6)

Can be absorbed through the skin.

Appropriate engineering

controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove Hand protection

supplier.

Other Wear appropriate chemical resistant clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure

limits (where applicable) or to an acceptable level (in countries where exposure limits have not

been established), an approved respirator must be worn.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene

When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or considerations

smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state Liquid. **Form** Liquid. Color Not available. Odor Not available. **Odor threshold** Not available. Not available.

-144.4 °F (-98 °C) estimated Melting point/freezing point

Material name: GRAPHITAN BLACK

Initial boiling point and boiling 134.24 °F (56.8 °C) estimated

range

Flash point 14.0 °F (-10.0 °C) estimated

Not available. **Evaporation rate** Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

1.1 % estimated

(%)

Flammability limit - upper

16 % estimated

(%)

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

67692.16 hPa estimated Vapor pressure

Vapor density Not available. Relative density Not available.

Solubility(ies)

Not available. Solubility (water) Partition coefficient Not available.

(n-octanol/water)

740 °F (393.33 °C) estimated **Auto-ignition temperature**

Decomposition temperature Not available. Not available. Viscosity

Other information

Density 9.56 lbs/gal

Flammability class Flammable IB estimated

68.57 % Percent volatile 1.15 Specific gravity

VOC 1.9147953693524209 lbs/gal Material

3.3832412600510144 lbs/gal Regulatory 229.4499291095006 g/l Material 405.41380019191308 g/l Regulatory

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Strong acids. Nitrates. Chlorine. Incompatible materials

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Toxic if inhaled. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Causes skin irritation. May cause an allergic skin reaction. Skin contact

Eye contact Causes serious eye irritation.

Ingestion Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Headache. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May

cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Toxic if inhaled. Harmful if swallowed. Narcotic effects. May cause an allergic skin reaction. Components **Test Results Species**

2-Butoxyethyl acetate (CAS 112-07-2)

Acute **Dermal**

LD50 Rabbit 1500 mg/kg

Oral

LD50 Rat 2400 mg/kg

2-Heptanone (CAS 110-43-0)

Acute Dermal

LD50 Rabbit 12600 mg/kg

Oral

LD50 Mouse 730 mg/kg Rat 1.67 g/kg

Butyl benzyl phthalate (CAS 85-68-7)

Acute Dermal

LD50 Mouse 6700 mg/kg 6700 mg/kg

Rat

Oral

LD50 Rat 13500 mg/kg

graphite (CAS 7782-42-5)

Acute Oral

LD50 Rat > 10000 mg/kg

Methyl acetate (CAS 79-20-9)

<u>Acute</u> Oral

LD50 Rabbit 3.7 g/kg

n-butyl acetate (CAS 123-86-4)

Acute

Inhalation

LC50 Wistar rat 160 mg/l, 4 Hours

Oral

LD50 Rat 14000 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Butyl benzyl phthalate (CAS 85-68-7) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity May damage fertility or the unborn child.

^{*} Estimates for product may be based on additional component data not shown.

Specific target organ toxicity -

single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity -

repeated exposure

Not classified.

Not an aspiration hazard. **Aspiration hazard**

Prolonged inhalation may be harmful. **Chronic effects**

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
2-Heptanone (CAS 11	0-43-0)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	126 - 137 mg/l, 96 hours
Butyl benzyl phthalate	(CAS 85-68-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 0.96 mg/l, 48 hours
Fish	LC50	Shiner perch (Cymatogaster aggregata)	0.47 - 0.56 mg/l, 96 hours
Methyl acetate (CAS 7	79-20-9)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	295 - 348 mg/l, 96 hours
n-butyl acetate (CAS	123-86-4)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	17 - 19 mg/l, 96 hours

^{*} Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

2-Heptanone	1.98
Butyl benzyl phthalate	4.91
Methyl acetate	0.18
n-butvl acetate	1.78

Mobility in soil No data available.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation Other adverse effects potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow **Disposal instructions**

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

UN number UN1263

Paint, Paint Related Material UN proper shipping name

Material name: GRAPHITAN BLACK SDS US 8 / 11 Transport hazard class(es)

Class 3 Subsidiary risk 3 Label(s) Packing group Ш

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions IB2, T7, TP1, TP8, TP28

Packaging exceptions 150 202 Packaging non bulk 242 Packaging bulk

IATA

UN number UN1263

UN proper shipping name Paint, Paint Related Material

Transport hazard class(es) Class

3 Subsidiary risk Packing group Ш **Environmental hazards** No. **ERG Code** 3H

Other information

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

aircraft

Allowed.

Cargo aircraft only

Allowed.

IMDG

UN1263 **UN** number

UN proper shipping name

Transport hazard class(es)

Paint, Paint Related Material

Not established.

3 Class Subsidiary risk П Packing group

Environmental hazards

Marine pollutant No. **EmS** F-E, S-E

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

DOT



IATA; IMDG



Material name: GRAPHITAN BLACK

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern

Butyl benzyl phthalate (CAS 85-68-7) Phthalates Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)

2-Butoxyethyl acetate (CAS 112-07-2) Listed. Butyl benzyl phthalate (CAS 85-68-7) Listed. Methyl acetate (CAS 79-20-9) Listed. n-butyl acetate (CAS 123-86-4) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

> Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

No

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
2-Butoxyethyl acetate	112-07-2	1 to <5	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

2-Butoxyethyl acetate (CAS 112-07-2)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

2-Butoxyethyl acetate (CAS 112-07-2)

Butyl benzyl phthalate (CAS 85-68-7)

liquid HALS (CAS 41556-26-7)

US. Massachusetts RTK - Substance List

2-Heptanone (CAS 110-43-0)

Butyl benzyl phthalate (CAS 85-68-7)

graphite (CAS 7782-42-5)

Methyl acetate (CAS 79-20-9)

n-butyl acetate (CAS 123-86-4)

US. New Jersey Worker and Community Right-to-Know Act

2-Butoxyethyl acetate (CAS 112-07-2)

2-Heptanone (CAS 110-43-0)

Butyl benzyl phthalate (CAS 85-68-7)

graphite (CAS 7782-42-5)

Methyl acetate (CAS 79-20-9)

n-butyl acetate (CAS 123-86-4)

MT-91LV-QT Version #: 01 Issue date: 05-08-2015

Material name: GRAPHITAN BLACK

SDS US

US. Pennsylvania Worker and Community Right-to-Know Law

2-Butoxyethyl acetate (CAS 112-07-2)

2-Heptanone (CAS 110-43-0)

Butyl benzyl phthalate (CAS 85-68-7)

graphite (CAS 7782-42-5) Methyl acetate (CAS 79-20-9) n-butyl acetate (CAS 123-86-4)

US. Rhode Island RTK

2-Butoxyethyl acetate (CAS 112-07-2) Butyl benzyl phthalate (CAS 85-68-7) n-butyl acetate (CAS 123-86-4)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethyl benzene (CAS 100-41-4) Listed: June 11, 2004

US - California Proposition 65 - CRT: Listed date/Developmental toxin

1-Methyl-2-pyrrolidinone (CAS 872-50-4) Listed: June 15, 2001 Butyl benzyl phthalate (CAS 85-68-7) Listed: December 2, 2005

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Toxic Substances Control Act (TSCA) Inventory

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

Issue date 05-08-2015

Version # 01

United States & Puerto Rico

HMIS® ratings Health: 3*

Flammability: 3 Physical hazard: 0

NFPA ratings Health: 3

Flammability: 3 Instability: 0

Disclaimer The information in the sheet was written based on the best knowledge and experience currently

available. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED TO BE RELIABLE AND THE MANUFACTURER DISCLAIMS ANY LIABILITY INCURRED FROM THE USE OR RELIANCE UPON THE SAME. 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. This safety information is not a license to use this material as claimed by any patents of third parties. The user alone must finally determine whether a contemplated use of this material will infringe any such patents, and for obtaining any required licenses.

Material name: GRAPHITAN BLACK
MT-91LV-QT Version #: 01 Issue date: 05-08-2015

No