



SAFETY DATA SHEET

1. Identification of the substance / mixture and of the company / undertaking

Material Name	Val-Tex GGS
Other means of identification	
Synonyms	Includes all bulk packaging.
Product use	Industrial grease
Uses advised against	This product must not be used in applications other than recommended in section 1 without taking the advice from supplier/manufacturer.
Manufacturer/Supplier Address	Val-Tex 10600 Fallstone Road Houston, Texas 77099
Phone number	281-530-4848
E-mail	help@valtex.com

2. Hazard(s) identification

OSHA Hazard Communication Standard	This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.
Label elements	OSHA HCS 2012 : OSHA HCS 2012 : No significant hazard as per GHS
Health hazards	Not expected to be a health hazard when used under normal conditions. Prolonged or repeated skin contact without proper cleaning may clog the skin pores resulting disorders like acne/folliculitis. Used grease may contain harmful impurities/ harmful extraneous substances.
Safety hazard:	This product is considered as mixture and Not classified as flammable in totality but will burn. One of the component used i.e., sulphurized isobutylene (CAS # 68511-50-2) to make this grease which is classified as flammable liquid category 4 under GHS , is present in concentration < 1.0 % .
Environmental hazard	Not classified as environmental hazard under GHS criteria.
Precautionary statement	
Prevention	Wear protective gloves while handling. Wear eye and face protection. Wash hands thoroughly after handling.
Response	If on skin, wash with plenty of soap and water. Remove contaminated cloth and wash thoroughly before use. If skin irritation occurs, get medical advice. If in eyes, wash with water for several minutes, in case of contact lenses, remove and wash with plenty of water. In case of irritation, get medical attention.
Storage	Store the product in well-ventilated area. Keep the container straight lid upside. Do not lay down upside down or do not keep container horizontally. This product has natural tendency to squeeze oil if not kept properly.
Disposal	Take expert advice of local regulatory agency for disposing this product.
Hazard(s) not otherwise classified (HNOC)	None as classified under 29 CFR 1900.1200

3. Composition/information on ingredients

This material is defined as mixture and has no known hazards under GHS classification

Additional Information	As per 29 CFR 1910.1200 paragraph (i), formulation is considered as trade secret and therefore specific chemical names and their percentages of components used have not been disclosed. The details about their specific chemical names and their percentages may be provided on request to health professionals, authorized representatives of regulatory authority, employees concerned in accordance with applicable provisions of this paragraph
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4. First-aid measures

Description of first aid measures

General information:	Not expected to be health hazard if used under normal conditions
Inhalation	Under normal conditions of intended use, this material is not expected to be inhalation hazard. If some symptom exist, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.



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Skin contact	Remove contaminated clothes. Flush exposed area with plenty of water followed by washing by soap, if available. If persistent irritation occurs, obtain medical attention. If product is injected into or under the skin due to any reason, the victim, regardless of size or appearance of wound, victim should be brought immediately to medical attention for emergency surgical needs. Though the initial symptoms due to high pressure injection may be minimal / absent, early surgical treatment may significantly reduce the extent of injury.
Eye Contact	Immediately flush with large quantities of cool water for at least 15 minutes. Get medical attention.
Ingestion	In general no treatment is necessary unless large quantities are swallowed; however, it's advisable to take medical attention. Do not induce vomiting unless directed by medical personnel. Do not give anything by mouth to an unconscious person.
Self-protection for first aider	When administering the first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.
5. Fire-fighting measures	
Suitable extinguishing media	Water Spray (fog), dry chemical, foam, or carbon dioxide, sand to extinguish flames.
Unsuitable extinguishing media	Water stream may splash burning liquid and spread fire.
Special hazard arising from the substances or mixture	Hazardous combustion product may include a complex mixture of airborne solid and liquid particulates and gases (smoke), carbon monoxide, unidentified inorganic and organic compounds.
Advice for firefighters	Proper protective equipment include chemical resistant gloves to be worn, chemical resistant suit is recommended when large contact with spill product is expected. Self-contained breathing apparatus (SCBA) must be worn when approaching a fire in confined area. Select the fire fighters clothing approved by relevant standard
6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures	Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch and walk through spill area. Do not touch damaged container or spilled material unless wearing appropriate protective clothing/equipment. Ventilate the closed area.
Emergency procedures	Isolate the spill / leak area in all directions for about 50 meters (150 ft) for liquids and about 25 meters (75 ft.) for solids and semi-solids. Eliminate all ignition sources (no smoking, flares, sparks / flames in close vicinity). Keep unauthorized personel away and ventilate closed space before entering.
Environmental procedures	Use appropriate measures for containment of spilled material to the environment. Prevent from entering/ spreading to drain, water, river, ditches by using sand, earth, floor dryers or other appropriate barriers.
Methods and materials for containment and cleaning up	Shovel into suitable properly marked container for disposal or reclamation in accordance with local regulations.
Reference to other sections	Refer to section 8 – exposure control / personal protection and section 13- disposal considerations
7. Handling and storage	
General precautions	Store in well-ventilated area, if risk on vapor inhalation is there. Use the information in this data sheet as input for risk management arising due to local conditions which help to manage safe handling of this product
Precautions for safe handling	Avoid prolonged and repeated contact with skin. Avoid inhaling the vapors/mist. When handling the drums, kegs, pails etc., proper safety shoes, and other protective clothes, safety glasses etc. should be worn. Dispose appropriately any contaminated rags/material as per prevailing local allowable practices. Keep containers in closely tight and, cool and well ventilated areas.
Conditions for safe storage, including any incompatibilities	Keep containers tightly close, well-ventilated areas but covered, avoiding contact with rain or other water ingress possibilities. Keep the storage place cool preferably <120 °F / <50 °C. Higher temperature may create pressure buildup inside container and chances of container busting or leakage may occur under aggravated conditions. Keep away from other oxidizing and incompatible materials.
Specific end use(s)	This material should not be used for any other purpose than the intended use as per section 1 without the expert advice.



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8. Exposure controls / personal protection

Control Parameters

Material	Source	Type	ppm	Mg/m3	Notation
Lithium hydroxide mono hydrate	AIHA WEEL	Ceiling		1.8 mg/m3	
Sulphurized isobutylene	OSHA PEL	TWA		14 mg/m3	

Additional information Due to semi-solid nature of the product, generation of mist and dusts is unlikely to occur

Biological exposure index (BEI) No biological limit allocated.

PNEC related information Data not available.

Monitoring methods Monitoring of the concentration of substances in the breathing zone of workers or in general workplace may be required to confirm the compliance with local governing authority.

Engineering measures/controls Adequate ventilation systems may be needed to control concentrations of airborne contaminants above permissible threshold applicable limits.

Personal protective equipment pictograms



Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/face protection Wear safety goggles.

Skin / Body Wear safety shoes and protective gloves.

Environmental Exposure controls Minimize release to the environment. Follow best practices for site management and disposal of waste as per local regulations

9. Physical and chemical properties

Information on physical and chemical properties

Appearance Semi-solid.

Color Blue.

Odor Slight hydrocarbon.

Odor threshold Data not available.

Boiling point No data available.

pH Not applicable.

Specific gravity (15°C) 0.87, 7.506 (lbs/gal)

Flash point 495°F / 257 °C Cleveland Open Cup

Upper/lower flammability or explosive limits

Flammability limit – lower (%) No data available.

Flammability limit – upper (%) No data available.

Auto-ignition temperature No data available.

Flammability No data available.

VOC, % wt, ASTM D-972 1

Vapor pressure @ ambient temp < 0.13 kPa (< 1 mm Hg)

Vapor density (air = 1) <1

Explosive properties Not classified.

Oxidizing properties No data available.

Electical conductivity Though no data available, this material is not expected to be a static accumulator.



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10. Stability and reactivity

Reactivity	No reactivity is expected under normal conditions of intended use. However, under high temperature or adverse operating conditions thermal / chemical decomposition of the product may be possible.
Chemical stability	No hazardous reaction is expected under normal conditions of temperature and pressure.
Possibility of hazardous reactions	Hazardous polymerization is not expected. Reacts with strong oxidizing agents.
Conditions to avoid	Extreme temperature and direct sunlight / heat /flame.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Hazardous decomposition is not expected to form under normal conditions of storage.

11. Toxicological information

Information on toxicological effects

Basis of assessment	Information given hereby is based on the components and the toxicology of similar products and the data indicated here are representative of the primarily base oil which is present in majority in this product.
Acute oral toxicity	Expected to be low toxicity ; LD 50 (rat) > 5000 mg/kg
Acute dermal toxicity	Expected to be low toxicity ; LD 50 (rat) > 2000 mg/kg .
Acute inhalation toxicity	LC 50 : 5.2 mg/l (rat , 4 hr)
Skin corrosion / irritation	Expected to be slightly irritating. prolonged/repeated contact with skin without adequate cleaning may clog the pores of the skin , may result disorder such as oil acne/folliculitis
Serious eye damage/ irritation	Expected to be slightly irritating .
Respiratory/skin sensitization	Doesn't cause sensitization on lab animals .
Aspiration hazard	Not expected to be aspiration hazard .
Germ cell mutagenicity	Not expected a mutagenic hazard
Carcinogenicity	Not considered to be carcinogenic as it contain severely hydrotreated base oils which are reported to be non-carcinogenic in lab animal studies. The class of oils used in making this product are not classified as carcinogenic by IARC.

This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA Hazard Communication Standard 29CFR 1910.1200, IARC, or the National Toxicology Program (NTP) at a concentration greater than 0.1%.

12. Ecological information

Basis of assessment	Eco-toxicological data has not been determined specifically on this product. The information given herewith are based on the information given on eco-toxicity of components and/or on similar products. the information given here are representative of the product as whole and not as individual components
Toxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Expected to be not readily biodegradable. The major oil component expected to biodegrade over period of 100-120 days in aerobic environment at temperature above 70 F (21 °C), however finished product contain component that may persist in the environment.
Bioaccumulative potential	May contain component that bioaccumulate.
Mobility in soil	Product is semi-solid in nature in most conditions and may absorb to soil and may not be mobile. It floats on water.
Other adverse effects	Product contain the components that have been classified non-volatile in nature and therefore not expected to release to environment in significant quantities.

13. Disposal considerations

Waste treatment methods

Product disposal

Try to minimize the product waste by using best applicable practices. It is the responsibility of the waste generator to evaluate the waste classification and appropriate disposal methodology in accordance with the applicable regulation. Do not dispose in to environment, in drain or in river / ponds / water reservoirs.

Container disposal

To be disposed in accordance with local prevailing and allowable regulations.

14. Transport information



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	Bulk Shipping	Non-bulk shipping	Identification #	Hazardous class
US DOT	Not required	Not required	Not required	Not required
Canadian TDG	Not required	Not required	Not required	Not required
European	Not required	Not required	Not required	Not required
ADR, IMDG, IATA-DGR	Not classified as hazardous product for land, sea and air transport			

15. Regulatory information

OSHA Hazard Communication Standard

This material is not considered hazardous in accordance with OSHA HAZCom 2012, 29 CFR 1910.1200.

US Inventory list

All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

TSCA Section 8(b)

SARA 302 / 304

No products were found.

SARA 311/312

Classification

Immediate (acute) health hazard, delayed (chronic) health hazard.

Component	Fire Hazard	Sudden release of pressure	Reactive	Acute health hazard	Delayed health hazard
Base oil	No	No	No	No	Yes
Lithium hydroxide	No	No	No	Yes	Yes
Suphurized isobutylene	yes	No	Not known	Not known	Yes

SARA 313 Toxic Release Inventory

This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

US state regulations

Massachusetts:

None of the components are listed

New York:

None of the components are listed

New Jersey:

Lithium hydroxide is listed

WHMIS:

This product is not a controlled product ;

Canadian NPRI:

None of the components are listed

CEPA toxic substance:

None of the components are listed

Canadian inventory list:

All components are listed or exempted

Australia Inventory (AICS) :

All components are listed or exempted

China Inventory (IECSC) :

All components are listed or exempted

Japan Inventory :

Not determined

Korea Inventory :

All components are listed or exempted

Malaysia Inventory (EHS Register):

Not determined

New Zealand inventory of Chemicals (NZIoC):

All components are listed or exempted

Philippines Inventory (PICCS):

All components are listed or exempted

Taiwan Inventory (CSNN)

Not determined

SECTION 16: OTHER INFORMATION

	NFPA 704	NPCA-HMIS	KEY
Health	1	1	0 = Minimal
Fire	1	1	1 = slight
Reactivity	0	0	2 = Moderate
Specific	None	N/A	3 = Serious

Issue date

24-March-2016

Revision date

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Version #
NFPA ratings

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Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.