April 1, 2020

Safety Manager
Petroflex NA
1920 North Weaver
Gainesville TX 76240 US

Dear Safety Manager:

The health and safety of our customers and others who handle and use Sasol (USA) Corporation products is a vital concern to us. With this concern in mind, we intend to use our best effort to provide the latest information on our products in order to meet your safety and compliance needs.

The enclosed Safety Data Sheet(s) meets the content requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and should be used as an integral part of your hazard communication program. Sasol provides SDSs on all products both hazardous and non-hazardous. In addition to Hazard Communication requirements, Section 15 of the SDS provides notification of SARA Section 313 "toxic chemicals" pursuant to 40 CFR 372, and information on other chemical control laws and regulations.

In addition to the product SDS, an OSHA label is attached which communicates the GHS label elements for Combustible dusts. While Sasol is not shipping the product in a form that produces dust, 29 CFR 1910.1200 (Appendix C.4.30) states that chemical manufacturers or importers must provide a label to customers in case the product is further processed in such a way that presents a combustible dust hazard.

Our records indicate that Sasol (USA) Corporation shipped the following products(s) to you:

- POLYETHYLENE HD HD4900 OFFSPEC

Please forward the SDS and label to your employees, customers, agents, and contractors who may handle this product. If additional copies are needed, most of Sasol (USA) Corporation's SDS's can be downloaded at www.sasoltechdata.com or call (281) 588-3491.

As an alternative to mailing SDS, Sasol has implemented email as an option. Electronic versions (PDF) of the SDS will be distributed as an attachment through e-mail. If you would like to take advantage of this option, please provide a general/functional e-mail address for SDS receipt, rather than a personal email address if possible. Your preferred method of receiving SDS may be submitted to claytion.robinson@us.sasol.com.

Thank you for your interest in Sasol products.

Sincerely,

Clayvion Robinson

Clayvion Robinson
Product Safety & Technical Coordinator

Enclosure

Sasol (USA) Corporation
12120 Wickchester Ln.
Houston Texas 77079
Telephone: (+1) 281 588 3000
www.sasolnorthamerica.com

HD4900

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name	HD4900	
Synonyms	Polyethylene, HD4900X, HD4900 2Q, HD4900X 2Q	
Use	Industrial use, Raw material for industry	
Company	Sasol Chemicals (USA) LLC (an affiliate of Sasol Chemicals North America LLC)	
Address	12120 Wickchester Lane, Houston, TX 77079	
Telephone	CHEMTREC North America Transportation Emergency (24-hr)	(800) 424 9300
	CHEMTREC World Wide	(703) 527-3887
	Other Emergencies (24-hr)	(337) 494 5142
	SDS and Product Information (8:00am-4:30pm CST)	(281) 588 3491
	Health and Safety Information (7:30am-4:00pm CST)	(281) 588 3492
E-mail address	SasolElectronicSDS@us.sasol.com	

SECTION 2 HAZARDS IDENTIFICATION

OSHA/GHS Hazards Combustible dust

LABEL ELEMENTS

Hazard symbols None

Signal word Warning

Hazard statements May form combustible dust concentrations in air.

Precautionary statements

Prevention P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
Prevent dust accumulation.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight percent
1-hexene, polymer with ethene	25213-02-9	>99

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

SECTION 4 FIRST AID MEASURES

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists. If burned by contact with hot material, flush skin immediately with large amounts of cold water. If possible, submerge area in cold water. No attempt should be made to detach polymer adhering to the skin or to remove clothing attached with molten material. Thermal burns require immediate medical attention.

Inhalation If heated to more than 300C, vapors or fumes may cause respiratory tract irritation, coughing, and shortness of breath. Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.

Ingestion If swallowed, do not induce vomiting - seek medical advice. Risk of product entering the lungs on vomiting after ingestion.

SECTION 5 FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Fire/explosion Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds. Avoid dust formation. Dust may form explosive mixture in air. Molten product should not be exposed to water, as it causes violent steam explosions. NFPA Class IIIB combustible liquid.

Suitable extinguishing media Water spray or fog, foam, dry chemical, CO2. Do NOT use water jet.

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective suit. Keep containers and surroundings cool with water spray.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up Remove all sources of ignition. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Fine dust dispersed in air may ignite. Pick up and arrange disposal without creating dust. Use spark-proof tools and explosion-proof equipment. Dispose of only in accordance with local, state, and federal regulations. Do not flush into surface water or sanitary sewer system.

Spill precautions Material can create slippery conditions.

SECTION 7 HANDLING AND STORAGE

Safe handling advice Ensure all equipment is electrically grounded before beginning transfer operations. Take measures to prevent the build up of electrostatic charge. Avoid dust formation. Light hydrocarbon vapours can build up in the headspace of tanks. These can cause flammability/explosion hazards even at temperatures below the normal flash point of the material. All equipment and lighting should be protected to prevent dust from coming into contact with ignition sources and hot surfaces. When handling hot material, wear heat resistant protective gloves, clothing and face shield capable of withstanding the temperature. Provide sufficient air exchange and/or exhaust in work rooms. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Keep away from heat and sources of ignition. Keep in a dry, cool and well-ventilated place. Store away from direct sunlight and UV light.

Storage/Transport pressure Ambient

Load/Unload temperature Ambient

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Ensure adequate ventilation, especially in confined areas. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.

PERSONAL PROTECTIVE EQUIPMENT

Eyes Wear as appropriate: Safety glasses with side-shields, Goggles

Skin Wear suitable protective clothing, gloves and eye/face protection.

Inhalation In case of insufficient ventilation wear suitable respiratory equipment. Use NIOSH approved respiratory protection.

EXPOSURE GUIDELINES

Components	Exposure limit(s)
Magnisium Silicate	ACGIH TLV (8-hour) 2 mg/m3 (respirable fraction)
Talc	OSHA TLV (8-hour) 0.1 mg/m3 (respirable fraction)

PEL= Permissible Exposure Limits
TLV= Threshold Limit Value
EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)
STEL= Short Term Exposure Limit (15 min.)
WEEL= Workplace Environmental Exposure Level

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	solid;
Colour	white, to, yellowish
Form	solid
Odour	No information available.
Odour Threshold	No data available
Flash point	No data available
Flammability	Upper explosion limit: No data available
	Lower explosion limit: No data available
Boiling point/boiling range	No data available
Melting point/range	110 - 167 °C, 230 - 332.6 °F;
Auto-ignition temperature	approximately > 340 °C, > 644 °F;
Decomposition temperature	> 300 °C, > 572 F;
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	No data available
Relative density	No data available
Water solubility	insoluble
Viscosity	No data available
pH	No data available
Evaporation rate	No data available

Partition coefficient: n-octanol/water	No data available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	Stable at normal ambient temperature and pressure.
Chemical stability	No decomposition if stored and applied as directed.
Conditions to avoid	Keep away from heat and sources of ignition.
Hazardous decomposition products	Acrolein Aldehydes Carbon oxides Formaldehyde organic vapors
Materials to avoid	Oxidizing agents
Hazardous polymerisation	None.

SECTION 11 TOXICOLOGICAL INFORMATION

Additional Remarks	Information given is based on data obtained from similar substances.
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Acute oral toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	**Genotoxicity in vitro**: No data available **Genotoxicity in vivo**: No data available

Assessment Mutagenicity:
No data available

Reproductive toxicity **Reproductive toxicity:**
No data available

Assessment Reproductive toxicity:
No data available
Teratogenicity:
No data available

Assessment teratogenicity:
No data available

STOT - single exposure No data available

STOT - repeated exposure No data available

Aspiration toxicity No data available

Carcinogenicity **Assessment carcinogenicity:**
Contains no ingredient listed as a carcinogen

SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity Aquatic toxicity is unlikely due to low solubility. Wildlife may ingest plastic pellets or bags which while not toxic, may physically block the digestive system which can cause death.

Toxicity to fish No data available

Toxicity to aquatic invertebrates No data available

Toxicity to algae No data available

Chronic toxicity to fish No data available

Chronic toxicity to aquatic invertebrates No data available

Biodegradation This material is not expected to be biodegradable.

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Code Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.

Disposal methods Dispose of only in accordance with local, state, and federal regulations.

Empty containers. Empty containers and original plastic liners may contain product residue. Handling of empty containers and liners should be in a manner to minimize dust generation. Safe handling procedures as outlined in the SDS should be followed at all times. Consult the appropriate official for information regarding disposal requirements.

SECTION 14 TRANSPORT INFORMATION

DOT not regulated

IATA not regulated

IMDG not regulated

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

Remarks No data available

SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA Inventory Listing

Components	CAS-No.
1-hexene, polymer with ethene	25213-02-9

All chemical substances in this product are either on the TSCA Active Inventory, or in compliance with the inventory.

SARA 302 Status

Components	CAS-No.	Weight percent

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

SARA 311/312 Classification
Combustible dust

SARA 313 Chemical

Components	CAS-No.	Weight percent

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Components	Reportable Quantity	Weight percent
none		

INTERNATIONAL REGULATIONS

WHMIS Classification
Combustible dust

European Union
The product does not need to be labelled in accordance with EC directives or respective national laws.

Australia. Inventory of Chemical Substances (AICS)	Listed
Japan. Inventory of Existing and New Chemical Substances (ENCS)	Not listed
Japan. ISHL - Inventory of Chemical Substances	Not listed
Canada. Domestic Substances List (DSL) Inventory	Listed
Canada. Non-Domestic Substance Listing (NDSL)	Not listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Listed
China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Not listed
New Zealand. Inventory of Chemical Substances (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Not listed
Taiwan. National Existing Chemical Inventory (NECI)	Listed

HD4900

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

STATE REGULATIONS

California Prop. 65

Components	CAS-No.
none	

SECTION 16 OTHER INFORMATION

HAZARD RATINGS

	Health	Flammability	Physical Hazard/ Instability
HMIS®	1	1	0
NFPA	1	1	0

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HD4900

Polyethylene, HD4900X, HD4900 2Q, HD4900X 2Q

RIGHT-TO-KNOW INFORMATION:
25213-02-9 1-hexene, polymer with ethene;

Warning

May form combustible dust concentrations in air.

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Prevent dust accumulation.

First aid

Eyes Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Wash off with soap and water. Get medical attention if irritation develops and persists. If burned by contact with hot material, flush skin immediately with large amounts of cold water. If possible, submerge area in cold water. No attempt should be made to detach polymer adhering to the skin or to remove clothing attached with molten material. Thermal burns require immediate medical attention.

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