

SAFETY DATA SHEET

1. Identification

Product identifier Natural Gas Condensate

Other means of identification

0004 SDS number

Synonyms Condensate, Gas Condensate, Distillate, Pipeline Drip, Natural gasoline, Casinghead gasoline,

Straight-run gasoline, Isoparaffin mixture, and Drip gas

Recommended use Industrial use. **Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

WPX Energy Inc. Company name **Address** P.O. Box 3102

Tulsa, OK 74101 US

US

855-979-2012 **Telephone** E-mail Not available.

3E Hotline **Emergency phone number** 855-393-9881

2. Hazard(s) identification

Physical hazards Flammable liquids Category 2 **Health hazards** Skin corrosion/irritation Category 2 Germ cell mutagenicity Category 1B

Carcinogenicity Category 1A Reproductive toxicity Category 2 Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated

Category 1 (Central Nervous System,

exposure

hematopoietic system)

Aspiration hazard

Hazardous to the aquatic environment, acute hazard

Category 1 Category 2

Hazardous to the aquatic environment,

Category 2

long-term hazard

Not classified. **OSHA** defined hazards

Label elements

Environmental hazards



Signal word Danger

Hazard statement Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin

irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (Central Nervous System, hematopoietic system) through prolonged or repeated exposure. Toxic to aquatic life with

long lasting effects.

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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. Do not breathe 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. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response

If swallowed: Immediately call a poison center/doctor. 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 exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

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)

Static accumulating flammable liquid.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Natural gas condensates	68919-39-1	90 - 100
Benzene	71-43-2	0.4 - 2.5

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention. Get medical attention if irritation develops and persists. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a physician or poison control center immediately. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.

Most important symptoms/effects, acute and delayed Decrease in motor functions. Behavioral changes. Narcosis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Unconsciousness. Aspiration may cause pulmonary edema and pneumonitis. Cyanosis (blue tissue condition, nails, lips, and/or skin). Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects. Exposure to rapidly expanding gas or vaporizing liquid may cause frostbite ("cold burn").

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 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.

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5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Extinguish with foam, carbon dioxide, dry powder or water fog.

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. 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. Use water spray to keep fire-exposed containers cool.

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

Wear protective clothing as described in Section 8 of this safety data sheet. 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. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. 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. This product is miscible in water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

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. 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. Environmental manager must be informed of all major spillages.

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. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Ground container and transfer equipment to eliminate static electric sparks. Use non-sparking tools and explosion-proof equipment. Use only with adequate ventilation. Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. 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. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Do not smoke or use open fire or other sources of ignition.

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. 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). Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials.

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8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Туре	Value	
Benzene (CAS 71-43-2)	STEL	5 ppm	
	TWA	1 ppm	
US. OSHA Table Z-2 (29 CFR 191	0.1000)		
Components	Туре	Value	
Benzene (CAS 71-43-2)	Ceiling	25 ppm	
	TWA	10 ppm	
US. ACGIH Threshold Limit Value	es		
Components	Туре	Value	
Benzene (CAS 71-43-2)	STEL	2.5 ppm	
	TWA	0.5 ppm	
US. NIOSH: Pocket Guide to Che	mical Hazards		
Components	Туре	Value	
Benzene (CAS 71-43-2)	STEL	1 ppm	
	TWA	0.1 ppm	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time	
Benzene (CAS 71-43-2)	25 μg/g	S-Phenylmerca	Creatinine	*	
		pturic acid	in urine		

^{* -} For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

Benzene (CAS 71-43-2)

Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Benzene (CAS 71-43-2) 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 Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

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

supplier.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Wear

chemical-resistant, impervious gloves. Wear appropriate clothing to prevent any possibility of skin

contact.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece. Respirator type: Air-purifying

respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific

information.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

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9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Colorless to brownish-black liquid.

Colorless to brownish-black.

Odor Petroleum.
Odor threshold Not applicable.
pH Not applicable.
Melting point/freezing point Not available.

Initial boiling point and boiling 11

range

113 - 759.2 °F (45 - 404 °C)

Flash point < 0.4 °F (< -17.6 °C) Evaporation rate > 100 (Butyl acetate = 1)

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

1 Approximate.

(%)

Flammability limit - upper

10 Approximate.

(%)

Vapor pressure 51 - 857 mmHg (100°F/38°C)

Vapor density > 1 (Air = 1.0)
Relative density Not available.

Solubility(ies)

Solubility (water) Negligible.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not applicable.

Decomposition temperature Not applicable.

Viscosity < 1 cSt

Viscosity temperature 100.4 °F (38 °C)

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

Partition coefficient Not applicable.

(oil/water)

Percent volatile 100 % VOC (Weight %) 100 %

10. Stability and reactivity

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

Chemical stability Stable under the prescribed storage conditions.

Possibility of hazardous

reactions

Hazardous polymerization will not occur.

Conditions to avoid Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point.

Contact with incompatible materials. Prevent buildup of vapors or gases to explosive

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concentrations.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

Carbon oxides.

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11. Toxicological information

Information on likely routes of exposure

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. May cause

drowsiness and dizziness. Headache. Nausea, vomiting.

Skin contact Causes skin irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Behavioral changes. Decrease in motor functions. Narcosis. Headache. May cause drowsiness and dizziness. Nausea, vomiting. Unconsciousness. Cyanosis (blue tissue condition, nails, lips, and/or skin). Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause

redness and pain.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects. Harmful if swallowed - may enter

lungs if swallowed or vomited. Causes skin irritation. High vapor concentrations may cause

drowsiness and irritation of the eyes or respiratory tract.

Components Species Test Results

Benzene (CAS 71-43-2)

Acute

Oral

LD50 Rat 930 mg/kg

Natural gas condensates (CAS 68919-39-1)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Inhalation

LC50 Rat > 5610 mg/m3

Oral

LD50 Rat > 5000 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzene (CAS 71-43-2) 1 Carcinogenic to humans.

NTP Report on Carcinogens

Benzene (CAS 71-43-2) Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2) Cancer

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity -

single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity -

repeated exposure

Causes damage to organs (Central Nervous System, hematopoietic system) through prolonged or

repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

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Chronic effects

Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Contains benzene. Human epidemiology studies indicate that prolonged and/or repeated overexposure to benzene may cause damage to the blood-producing system and serious blood disorders, including leukemia. Animal tests suggest that prolonged and/or repeated overexposure to benzene may damage the embryo/fetus. The relevance of these animal studies to humans has not been fully established. Case reports of chronic gasoline abuse (such as sniffing) and chronic misuse as a solvent or as a cleaning agent have shown a range of nervous system effects, sudden deaths from heart attacks, blood effects and leukemia. These effects are not expected to occur at exposure levels encountered in the distribution and use of gasoline as a motor fuel.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components		Species	Test Results		
Natural gas condensates (CAS 68919-39-1)					
Aquatic					
Algae	EC50	Pseudokirchneriella subcapitata	3.1 mg/l, 72 Hours		
Crustacea	EC50	Daphnia magna	4.5 mg/l, 48 Hours		
Fish	LC50	Oncorhynchus mykiss	10 mg/l, 96 Hours		
		Pimephales promelas	8.2 mg/l, 96 Hours		

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Benzene (CAS 71-43-2) 2.13

Mobility in soil Expected to be mobile in soil.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

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. Dispose in accordance with applicable federal,

state, and local 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

UN1993 **UN** number

UN proper shipping name Flammable liquids, n.o.s. (Natural Gas Condensate)

Transport hazard class(es)

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

Environmental hazards

Marine pollutant Yes

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

IB2, T7, TP1, TP8, TP28 **Special provisions**

150 Packaging exceptions Packaging non bulk 202

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Packaging bulk 242

IATA

UN number UN1993

UN proper shipping name Flammable liquid, n.o.s. (Natural Gas Condensate)

Transport hazard class(es)

Class 3
Subsidiary risk Packing group II
Environmental hazards Yes
ERG Code 3H

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

IMDG

UN number UN1993

UN proper shipping name FLAMMABLE LIQUID, N.O.S. (Natural Gas Condensate)

Transport hazard class(es)

Class 3
Subsidiary risk Packing group II
Environmental hazards

Marine pollutant Yes 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

General information IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

Not established.

15. Regulatory information

US federal regulations This product is hazardous according to OSHA 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2) Cancer

Central nervous system

Blood Aspiration Skin Eve

respiratory tract irritation

Flammability

CERCLA Hazardous Substance List (40 CFR 302.4)

Benzene (CAS 71-43-2) 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 Yes

chemical

SARA 313 (TRI reporting)

 Chemical name
 CAS number
 % by wt.

 Benzene
 71-43-2
 0.4 - 2.5

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Other federal regulations

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

Benzene (CAS 71-43-2)

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

Not regulated.

Safe Drinking Water Act

(SDWA)

Not regulated.

WARNING: This product contains a chemical known to the State of California to cause cancer and US state regulations

birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Benzene (CAS 71-43-2)

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

Benzene (CAS 71-43-2)

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

Benzene (CAS 71-43-2)

US. Rhode Island RTK

Benzene (CAS 71-43-2)

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 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Benzene (CAS 71-43-2)

International Inventories

Country(s) or region Inventory name On inventory (yes/no)* Canada Domestic Substances List (DSL) Yes Canada Non-Domestic Substances List (NDSL) No Toxic Substances Control Act (TSCA) Inventory United States & Puerto Rico Yes

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

08-May-2015 Issue date

Revision date Version #

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe **Further information**

Health: 2* **HMIS®** ratings Flammability: 3

Physical hazard: 0

NFPA ratings



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. WPX Energy Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

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^{*}A "Yes" indicates this product complies 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).