



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	#6 Oil
Other means of identification	RMG 380 IFO 380
Synonyms	Not available
Recommended use	Fuel
Recommended restrictions	None known.
Manufacturer information	Irving Oil Refining G.P. Box 1260 Saint John, NB E2L 4H6 CA Phone: (506) 202-2000 Refinery: (506) 202-3000 Emergency Phone: 1-800-424-9300 (CHEMTREC)
Supplier	See above.

2. Hazards Identification

Physical hazards	Flammable liquids	Category 4
Health hazards	Carcinogenicity	Category 1B
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		



Signal word	Danger
Hazard statement	Combustible liquid. May cause cancer.
Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.
Response	In case of fire: Use appropriate media to extinguish. IF exposed or concerned: Get medical advice/attention.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Not applicable.

3. Composition/Information on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
Benzene		71-43-2	<0.1 *
Benzo[a]pyrene		50-32-8	<0.1 *

Chemical name	Common name and synonyms	CAS number	%
Fuel oil No. 6		68553-00-4	80-100 *
Hydrogen sulfide		7783-06-4	<0.1 *
Sulfur		7704-34-9	1-5 *
Vanadium		7440-62-2	<0.1 *

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

Composition comments *CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

* #6 Oil is a complex mixture of hydrocarbons. Its exact composition depends on the source of the crude oil from which it was produced and the refining methods used. #6 Oil contains hundreds of individual organic chemicals. This section identifies only some of the well-known chemical constituents.

* Hydrogen sulfide content - vapour space concentration can range from 1000 to 1500 ppm corresponding to a 100 - 150 ppm range in the oil. The manufacturer has claimed one or more hazardous ingredients as trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

4. First Aid Measures

Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance. Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media	Carbon dioxide. Dry chemical. Foam.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. Container may explode in heat of fire. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Combustible liquid.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Polycyclic aromatic hydrocarbons (PAHs). Aromatic hydrocarbons. Hydrogen sulfide. Oxides of sulfur.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Never return spills to original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Prevent entry into waterways, sewers, basements or confined areas.

Environmental precautions

Do not discharge into lakes, streams, ponds or public waters.

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.
 Keep away from open flames, hot surfaces and sources of ignition.
 Ground and bond containers when transferring material.
 Avoid contact with eyes, skin and clothing.
 Use personal protective equipment as required.
 Avoid prolonged exposure.
 Provide adequate ventilation.
 Observe good industrial hygiene practices.
 Wash hands thoroughly after handling.
 When handling, do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Store locked up.
 Keep away from heat, sparks and open flame.
 Store in a cool, dry place out of direct sunlight.
 Store away from incompatible materials (see Section 10 of the SDS).
 Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	8 mg/m3 2.5 ppm
	TWA	1.6 mg/m3 0.5 ppm
Hydrogen sulfide (CAS 7783-06-4)	Ceiling	21 mg/m3
	TWA	15 ppm 14 mg/m3 10 ppm
Sulfur (CAS 7704-34-9)	TWA	10 mg/m3

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Hydrogen sulfide (CAS 7783-06-4)	Ceiling	10 ppm

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Hydrogen sulfide (CAS 7783-06-4)	STEL	5 ppm
	TWA	1 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Hydrogen sulfide (CAS 7783-06-4)	STEL	15 ppm
	TWA	10 ppm

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	15.5 mg/m3 5 ppm
	TWA	3 mg/m3 1 ppm
Benzo[a]pyrene (CAS 50-32-8)	TWA	0.005 mg/m3
Hydrogen sulfide (CAS 7783-06-4)	STEL	21 mg/m3 15 ppm
	TWA	14 mg/m3 10 ppm

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

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	5 ppm
	TWA	1 ppm

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Benzene (CAS 71-43-2)	Ceiling	25 ppm
	TWA	10 ppm
Hydrogen sulfide (CAS 7783-06-4)	Ceiling	20 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Hydrogen sulfide (CAS 7783-06-4)	STEL	5 ppm
	TWA	1 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Benzene (CAS 71-43-2)	STEL	1 ppm
	TWA	0.1 ppm
Hydrogen sulfide (CAS 7783-06-4)	Ceiling	15 mg/m3 10 ppm
	STEL	3 mg/m3
Vanadium (CAS 7440-62-2)	STEL	3 mg/m3
	TWA	1 mg/m3

Biological limit values

ACGIH Biological Exposure Indices

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

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

Exposure guidelines

Canada - Alberta OELs: Skin designation

Benzene (CAS 71-43-2) Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

Benzene (CAS 71-43-2) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

Benzene (CAS 71-43-2) Can be absorbed through the skin.

Canada - Ontario 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	Ensure adequate ventilation.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Tychem™ SL. Confirm with a reputable supplier first.
Other	Use of protective coveralls and long sleeves is recommended. If clothing or footwear becomes contaminated with the product, remove it and completely decontaminate it before re-use, or discard it.
Respiratory protection	Do not attempt rescue of an hydrogen sulfide knockdown victim without the use of proper respiratory protective equipment. For confined spaces, wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
Thermal hazards	Not applicable.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. Physical and Chemical Properties

Appearance	Liquid
Physical state	Liquid.
Form	Liquid
Color	Black
Odor	Rotten egg odor if H ₂ S present. Tar-like odor otherwise. Note: H ₂ S deadens the sense of smell. Absence of rotten eggs smell does not mean absence of H ₂ S.
Odor threshold	Not available.
pH	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	400 °F (204.44 °C) (minimum)
Pour point	Not available.
Specific gravity	0.95 - 1.04 @ 20°C
Partition coefficient (n-octanol/water)	This product has not been tested.
Flash point	> 140.0 °F (> 60.0 °C) Closed Cup (minimum)
Evaporation rate	Negligible
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	> 1 %
Flammability limit - upper (%)	< 5 %
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	< 0.0001 mmHg
Vapor density	(air=1)
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	752 °F (400 °C) (approximately)
Decomposition temperature	Not available.
Viscosity	300 - 1200 cSt

10. Stability and Reactivity

Reactivity	May react with incompatible materials.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Heat, open flames, static discharge, sparks and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Aromatic hydrocarbons. Hydrogen sulphide. Oxides of sulfur.

11. Toxicological Information

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion	May cause stomach distress, nausea or vomiting.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause irritation.
Eye contact	May be irritating to eyes.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
Benzene (CAS 71-43-2)		
Acute		
<i>Dermal</i>		
LD50	Guinea pig	> 8260 mg/kg, HSDB
	Guinea pig; Rabbit	> 9.4 ml/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Mouse	9980 ppm, 7 Hours, ECHA
	Rat	43767 mg/m3, 4 Hours, ECHA 13700 ppm, 4 Hours, ECHA 10000 ppm, 7 Hours, HSDB 31.8 mg/l/4h, HSDB
<i>Oral</i>		
LD50	Mouse	4700 mg/kg, HSDB
	Rat	> 2000 mg/kg, ECHA 5970 mg/kg, ECHA 4700 mg/kg, HSDB 3306 mg/kg, HSDB
Benzo[a]pyrene (CAS 50-32-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
	Rat	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	433 mg/kg
	Not available	
	Rat	725 mg/kg
Fuel oil No. 6 (CAS 68553-00-4)		
Acute		
<i>Dermal</i>		
LD50		> 4940 mg/kg
	Rabbit	> 2000 mg/kg, 24 Hours

Components	Species	Test Results
<i>Inhalation</i>		
LC50	Not available	
	Rat	> 320 mg/m3, 4 Hours
<i>Oral</i>		
LD50		5500 mg/kg
	Rat	4320 mg/kg
Hydrogen sulfide (CAS 7783-06-4)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Monkey	0.7 mg/L, 35 Minutes, HSDB
	Mouse	1610 mg/m3, ECHA
		1110 mg/m3, ECHA
		940 mg/m3, ECHA
		634 ppm, 1 Hours, ECHA
		1.5 mg/L, 18 Minutes, HSDB
		0.4 mg/L, 410 Minutes, HSDB
	Rat	> 0.4 mg/L, 960 Minutes, HSDB
		1160 mg/m3, ECHA
		1010 mg/m3, ECHA
		950 mg/m3, ECHA
		712 ppm, 1 Hours, HSDB/ECHA
		587 ppm, ECHA
		501 ppm, ECHA
		444 ppm, 4 Hours
		356 ppm, 4 Hours, EIGA
		335 ppm, ECHA
		1.5 mg/L, 14 Minutes, HSDB
<i>Oral</i>		
LD50	Not available	
Sulfur (CAS 7704-34-9)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	>= 2000 mg/kg
	Rat	> 2000 mg/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	> 5.4 g/m3, 4 Hours
		> 5.4 mg/L, 4 Hours
		>= 6.2 mg/l/4h
<i>Oral</i>		
LD50	Human	> 5000 mg/kg
	Rat	> 2200 mg/kg
		>= 3000 mg/kg
Vanadium (CAS 7440-62-2)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
		2000 mg/kg

Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Exposure minutes	Not available.
Erythema value	Not available.
Oedema value	Not available.
Serious eye damage/eye irritation	May cause irritation.
Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.
Respiratory or skin sensitization	
Respiratory sensitization	Not available.
Skin sensitization	This product is not expected to cause skin sensitization.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	See below.
ACGIH Carcinogens	
Benzene (CAS 71-43-2)	A1 Confirmed human carcinogen.
Benzo[a]pyrene (CAS 50-32-8)	A2 Suspected human carcinogen.
Canada - Alberta OELs: Carcinogen category	
Benzene (CAS 71-43-2)	Confirmed human carcinogen.
Canada - Manitoba OELs: carcinogenicity	
BENZENE (CAS 71-43-2)	Confirmed human carcinogen.
BENZO[A]PYRENE (CAS 50-32-8)	Suspected human carcinogen.
Canada - Quebec OELs: Carcinogen category	
Benzene (CAS 71-43-2)	Detected carcinogenic effect in humans.
Benzo[a]pyrene (CAS 50-32-8)	Suspected carcinogenic effect in humans.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Benzene (CAS 71-43-2)	Volume 29, Supplement 7, Volume 100F 1 Carcinogenic to humans.
Benzo[a]pyrene (CAS 50-32-8)	Volume 92, Volume 100F 1 Carcinogenic to humans.
Fuel oil No. 6 (CAS 68553-00-4)	Volume 45 - 2B Possibly carcinogenic to humans.
US - California Proposition 65 - CRT: Listed date/Carcinogenic substance	
Benzene (CAS 71-43-2)	
Benzo[a]pyrene (CAS 50-32-8)	
Fuel oil No. 6 (CAS 68553-00-4)	
US NTP Report on Carcinogens: Anticipated carcinogen	
Benzo[a]pyrene (CAS 50-32-8)	Reasonably Anticipated to be a Human Carcinogen.
US NTP Report on Carcinogens: Known carcinogen	
Benzene (CAS 71-43-2)	Known To Be Human Carcinogen.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Benzene (CAS 71-43-2)	Cancer
Reproductive toxicity	Not classified.
Teratogenicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not available.
Chronic effects	Prolonged exposure may cause chronic effects. Prolonged or repeated exposure can cause kidney damage.

12. Ecological Information

Ecotoxicity	See below
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Ecotoxicological data

Components	Species		Test Results
Benzene (CAS 71-43-2)			
Algae	IC50	Algae	29 mg/L, 72 Hours
Crustacea	EC50	Daphnia	12.18 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	8.76 - 15.6 mg/L, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	7.2 - 11.7 mg/L, 96 hours
Hydrogen sulfide (CAS 7783-06-4)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	0.009 mg/L, 96 hours
Sulfur (CAS 7704-34-9)			
Aquatic			
Fish	LC50	Western mosquitofish (Gambusia affinis)	> 10000 mg/L, 96 hours
Persistence and degradability	This product would meet the Group 5 criteria as set out in EPA's definition of persistent and non-persistent oils. The specific gravity is equal to or greater than 1.0. This material is believed to be highly persistent in the environment.		
Bioaccumulative potential	This product has not been tested.		
Mobility in soil	No data available.		
Mobility in general	Not available.		
Other adverse effects	This product has not been tested.		

13. Disposal Considerations

Disposal instructions	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	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).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)**Basic shipping requirements:**

UN number	NA1993
Proper shipping name	Fuel oil (No. 1, 2, 4, 5, or 6)
Hazard class	3 (Combustible)
Packing group	III
Special provisions	144, B1, IB3, T4, TP1, TP29

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

DOT

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by the HPR.

Canada CEPA Schedule I: Listed substance

Benzene (CAS 71-43-2) Listed.
Benzo[a]pyrene (CAS 50-32-8) Listed.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Benzene (CAS 71-43-2) 1 TONNES
Benzo[a]pyrene (CAS 50-32-8) 1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Controlled

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.

CERCLA Hazardous Substance List (40 CFR 302.4)

Benzene (CAS 71-43-2) Listed.
Benzo[a]pyrene (CAS 50-32-8) Listed.
Hydrogen sulfide (CAS 7783-06-4) Listed.

US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity

Hydrogen sulfide (CAS 7783-06-4) 100 LBS

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

Benzene (CAS 71-43-2) Cancer
Central nervous system
Blood
Aspiration
Skin
Eye
respiratory tract irritation
Flammability

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

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

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)

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

Hydrogen sulfide (CAS 7783-06-4)

US state regulations See below

US - California Hazardous Substances (Director's): Listed substance

Benzene (CAS 71-43-2) Listed.
Benzo[a]pyrene (CAS 50-32-8) Listed.
Hydrogen sulfide (CAS 7783-06-4) Listed.
Sulfur (CAS 7704-34-9) Listed.
Vanadium (CAS 7440-62-2) Listed.

US - Illinois Chemical Safety Act: Listed substance

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)
Hydrogen sulfide (CAS 7783-06-4)

US - Louisiana Spill Reporting: Listed substance

Benzene (CAS 71-43-2) Listed.
Benzo[a]pyrene (CAS 50-32-8) Listed.
Hydrogen sulfide (CAS 7783-06-4) Listed.

US - Michigan Critical Materials Register: Parameter number

Benzene (CAS 71-43-2) BENZENE
Benzo[a]pyrene (CAS 50-32-8) BENZO(A)PYRENE

US - Minnesota Haz Subs: Listed substance

Benzene (CAS 71-43-2) Listed.
Benzo[a]pyrene (CAS 50-32-8) Listed.
Hydrogen sulfide (CAS 7783-06-4) Listed.

US - New Jersey RTK - Substances: Listed substance

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)
Hydrogen sulfide (CAS 7783-06-4)
Sulfur (CAS 7704-34-9)
Vanadium (CAS 7440-62-2)

US - North Carolina Toxic Air Pollutants: Listed substance

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)
Hydrogen sulfide (CAS 7783-06-4)

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)

US - Texas Effects Screening Levels: Listed substance

Benzene (CAS 71-43-2) Listed.
Benzo[a]pyrene (CAS 50-32-8) Listed.
Hydrogen sulfide (CAS 7783-06-4) Listed.
Sulfur (CAS 7704-34-9) Listed.
Vanadium (CAS 7440-62-2) Listed.

US - Washington Chemical of High Concern to Children: Listed substance

Benzene (CAS 71-43-2)

US. Massachusetts RTK - Substance List

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)
Hydrogen sulfide (CAS 7783-06-4)
Sulfur (CAS 7704-34-9)
Vanadium (CAS 7440-62-2)

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

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)
Hydrogen sulfide (CAS 7783-06-4)
Vanadium (CAS 7440-62-2)

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

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)
Hydrogen sulfide (CAS 7783-06-4)
Sulfur (CAS 7704-34-9)
Vanadium (CAS 7440-62-2)

US. Rhode Island RTK

Benzene (CAS 71-43-2)
Benzo[a]pyrene (CAS 50-32-8)
Hydrogen sulfide (CAS 7783-06-4)
Sulfur (CAS 7704-34-9)

US. California Proposition 65

WARNING: This product can expose you to chemicals including benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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

Benzene (CAS 71-43-2) Listed: February 27, 1987
Benzo[a]pyrene (CAS 50-32-8) Listed: July 1, 1987
Fuel oil No. 6 (CAS 68553-00-4) Listed: October 1, 1990

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

Benzene (CAS 71-43-2)

Listed: December 26, 1997

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Benzene (CAS 71-43-2)

Listed: December 26, 1997

Inventory status

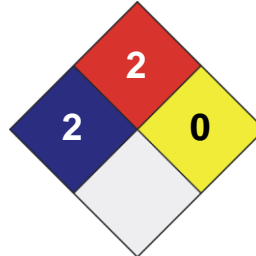
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X

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Issue date

16-April-2018

Version #

01

Effective date

16-April-2018

Prepared by

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Other information

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by the HPR. For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.