



Safety Data Sheet

Issuing Date 03-Oct-2019

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Revision number 1

1. Identification

Product Identifier

Product name Jet Base D4

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use No information available

Restrictions on use No information available

Details of the Supplier of the Safety Data Sheet

Supplier Address

Chemjet, Inc.
16290 Katy Freeway, Suite 200
Houston, Texas 77094 US

Phone: (281) 994-5416 Email: technical@chemjet.com

Emergency Telephone Number

24 Hour Emergency Phone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL) 1-800-424-9300 (NORTH AMERICA)

Chemjet, Inc. (936) 231-2538

2. Hazard(s) identification

Classification

Acute toxicity - Dermal	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2B
carcinogenicity	Category 1B

Appearance Light tan liquid

Physical State Liquid

Odor Petroleum

Label Elements

DANGER

hazard statements
CAUSES SKIN IRRITATION

CAUSES EYE IRRITATION

May cause cancer

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing

Precautionary Statements - Response

Specific treatment (see .? on this label)

skin

IF ON SKIN: Wash with plenty of water and soap

Call a POISON CENTER or doctor if you feel unwell

Take off contaminated clothing and wash it before reuse

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

OTHER INFORMATION

MAY BE HARMFUL IF SWALLOWED

Unknown Acute Toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

3. Composition/information on Ingredients**Substance**

Not Applicable.

Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Chemical Name	CAS No	weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Gas oils (petroleum), straight-run, high-boiling	68915-97-9	100	-	-
Xylene	1330-20-7	<0.01	-	-
Polycyclic Aromatic Hydrocarbons	130498-29-2	variable	-	-
Hydrogen sulfide (H2S)	7783-06-04	Trace	-	-

4. First-aid measures**Description of first aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

INHALATION	Remove to fresh air.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
INGESTION	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-Protection of the First Aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms No information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable Extinguishing Media	Do not scatter spilled material with high pressure water streams.
Specific Hazards Arising from the Chemical	No information available.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

OTHER INFORMATION Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for Safe Handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

8. Exposure controls/personal protection

Control Parameters

Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Xylene 1330-20-7	STEL = 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³	-	
Chemical Name	Alberta	British Columbia	Ontario	Quebec
Xylene 1330-20-7	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³

Appropriate Engineering Controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Hand Protection Wear suitable gloves.

Skin and Body Protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	liquid
appearance	liquid
color	Light brown
Odor	Petroleum distillates
odor threshold	No information available

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
pH	no data available	None known
Melting point / Freezing point	-24 °C / -11.2 °F	None known
Boiling Point / Boiling Range	>200 °C / 392 °F	None known
Flash Point	>119 °C / >246 °F	Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	no data available	None known
flammability (solid, gas)	no data available	None known
Flammability limit in air		None known
Upper flammability or explosive limits	no data available	
Lower flammability or explosive limits	no data available	
vapor pressure	no data available	None known
Vapor Density	no data available	None known
Relative Density	0.8887	None known
Water Solubility	Insoluble in water	None known
Solubility in Other Solvents	no data available	None known
Partition Coefficient	no data available	None known
Autoignition Temperature	no data available	None known
decomposition temperature		None known
Kinematic Viscosity	no data available	None known
Dynamic Viscosity	no data available	None known

OTHER INFORMATION

Explosive Properties	No information available
Oxidizing Properties	No information available
softening point	No information available
Molecular Weight	No information available
VOC content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available

10. Stability and reactivity

Reactivity	No information available.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	None known based on information supplied.
Incompatible Materials	None known based on information supplied.
Hazardous Decomposition Products	None known based on information supplied.

11. Toxicological information**Information on Likely Routes of Exposure**

Product information

INHALATION	Specific test data for the substance or mixture is not available.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	May be absorbed through the skin in harmful amounts. Harmful in contact with skin. (based on components).
INGESTION	MAY BE HARMFUL IF SWALLOWED.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute Toxicity

Numerical Measures of Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	5,000.00
ATEmix (dermal)	2,000.00

Unknown Acute Toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

Chemical Name	Oral LD50	dermal LD50	Inhalation LC50
Gas oils (petroleum), straight-run, high-boiling 68915-97-9	= 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 1.72 mg/L (Rat) 4 h
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit) > 1700 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation No information available.

Serious eye damage/eye irritation No information available.

respiratory or skin sensitization No information available.

Germ Cell Mutagenicity No information available.

carcinogenicity No information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Xylene 1330-20-7	-	Group 3	-	-

Reproductive Toxicity No information available.

STOT - Single Exposure No information available.

STOT - Repeated Exposure No information available.

Aspiration Hazard No information available.

12. Ecological information

ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Xylene 1330-20-7	-	LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss) LC50: =780mg/L (96h, Cyprinus carpio) LC50: >780mg/L (96h, Cyprinus carpio) LC50: =13.4mg/L (96h, Pimephales promelas) LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus) LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas) LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus) LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss) LC50: =19mg/L (96h, Lepomis macrochirus) LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata)	EC50 = 0.0084 mg/L 24 h	LC50: =0.6mg/L (48h, Gammarus lacustris) EC50: =3.82mg/L (48h, water flea)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Partition Coefficient
Xylene 1330-20-7	2.77 - 3.15

Other Adverse Effects No information available.

13. Disposal considerations

Waste Treatment Methods

Waste from Residues/Unused Products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated Packaging Do not reuse empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylene 1330-20-7	-	Included in waste stream: F039	-	U239
Polycyclic Aromatic Hydrocarbons 130498-29-2	-	Included in waste stream: K022	-	-

Chemical Name	California Hazardous Waste Status
Xylene 1330-20-7	Toxic Ignitable

14. Transport information

<u>DOT</u>	NOT REGULATED
<u>TDG</u>	NOT REGULATED
<u>MEX</u>	NOT REGULATED
<u>ICAO (air)</u>	NOT REGULATED
<u>IATA</u>	NOT REGULATED
<u>IMDG</u>	NOT REGULATED
<u>RID</u>	NOT REGULATED
<u>ADR</u>	NOT REGULATED
<u>ADN</u>	NOT REGULATED

15. Regulatory information

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

International regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not Applicable

The Stockholm Convention on Persistent Organic Pollutants Not Applicable

The Rotterdam Convention Not Applicable

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	SARA 313 - Threshold Values %
Xylene - 1330-20-7	1.0
Polycyclic Aromatic Hydrocarbons - 130498-29-2	0.1

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb	-	-	X
Polycyclic Aromatic Hydrocarbons 130498-29-2	-	X	-	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Xylene 1330-20-7	100 lb	-	RQ= 100 lb final RQ RQ= 45.4 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Polycyclic Aromatic Hydrocarbons 130498-29-2	X	-	X
Xylene 1330-20-7	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not Applicable

16. Other Information

NFPA	Health Hazards 1	flammability 0	Instability 0	Physical and Chemical Properties - PERSONAL PROTECTION X
HMIS	Health Hazards 1	flammability 0	Physical Hazards 0	

Key or legend to abbreviations and acronyms used in the safety data sheetLegend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 RTECS (Registry of Toxic Effects of Chemical Substances)
 World Health Organization

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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.

End of Safety Data Sheet