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#### 1. Identification

#### Product identifier used on the label

# Segment II

#### Recommended use of the chemical and restriction on use

Recommended use\*: crop protection product, herbicide

### Details of the supplier of the safety data sheet

Company:

BASF CORPORATION 100 Park Avenue Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### **Emergency telephone number**

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Substance number: 197605

Registration number: EPA Registration number: 7969-398

Molecular formula: C17 H29 O3 N S Synonyms: sethoxydim

# 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

# Classification of the product

Asp. Tox. 1 Aspiration hazard Flam. Liq. 4 Flammable liquids

<sup>\*</sup> The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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Acute Tox. 4 (Inhalation - mist) Acute toxicity

Skin Corr./Irrit. 2 Skin corrosion/irritation Carc. 2 Carcinogenicity

STOT SE 3 (Vapours may cause Specific target organ toxicity — single exposure

drowsiness and

dizziness.)

STOT SE 3 (irritating to Specific target organ toxicity — single exposure

respiratory system)

Aquatic Chronic 2 Hazardous to the aquatic environment - chronic Aquatic Acute 2 Hazardous to the aquatic environment - acute

Eye Dam./Irrit. 2A Serious eye damage/eye irritation

#### Label elements

#### Pictogram:





#### Signal Word: Danger

#### Hazard Statement:

H227 Combustible liquid.

H319 Causes serious eye irritation.
H315 Causes skin irritation.
H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.
 H335 May cause respiratory irritation.
 H351 Suspected of causing cancer.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

# Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face

protection.

P271 Use only outdoors or in a well-ventilated area.
P201 Obtain special instructions before use.
P273 Avoid release to the environment.
P260 Do not breathe mist or vapour.

P280 Wear eye protection.

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P202 Do not handle until all safety precautions have been read and

understood.

P264 Wash contaminated body parts thoroughly after handling.

#### Precautionary Statements (Response):

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| P312               | Call a POISON CENTER or physician if you feel unwell.               |
|--------------------|---|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove |
|                    | contact lenses, if present and easy to do. Continue rinsing.        |
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for     |
|                    | breathing.  |
| P301 + P310        | IF SWALLOWED: Immediately call a POISON CENTER or physician.        |
| P308 + P313        | IF exposed or concerned: Get medical attention.                     |
| P302 + P352        | IF ON SKIN: Wash with plenty of soap and water.                     |
| P332 + P313        | If skin irritation occurs: Get medical attention.                   |
| P391               | Collect spillage.   |
| P331               | Do NOT induce vomiting  |

P331 Do NOT induce vomiting.

P337 + P313 If eye irritation persists: Get medical attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use water spray, dry powder, foam or carbon dioxide for

extinction.

Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

# 3. Composition / Information on Ingredients

### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

sethoxydim

CAS Number: 74051-80-2 Content (W/W): 18.0 %

Synonym: sethoxydim reference substance

solvent naphtha

CAS Number: 64742-94-5 Content (W/W): 50.0 - 75.0%

Synonym: Solvent naphtha, petroleum, heavy arom.

4-Nonylphenol, branched, ethoxylated

CAS Number: 127087-87-0 Content (W/W): 7.0 - 10.0%

Synonym: (POLYMER) Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-

.omega.-hydroxy-,branched

naphthalene

CAS Number: 91-20-3 Content (W/W): 3.0 - 5.0% Synonym: Naphthalin

cumene

CAS Number: 98-82-8 Content (W/W): 0.0 - 3.0%

Synonym: (1-Methylethyl)benzene; Isopropylbenzene, Cumene

Toluene

CAS Number: 108-88-3

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Content (W/W): 0.2 - 0.3% Synonym: Benzene, methyl-

# 4. First-Aid Measures

# **Description of first aid measures**

#### **General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

#### If on skin:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

#### If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

#### If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting due to aspiration hazard.

#### Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far Hazards: Vomiting may cause aspiration pneumonia due to the ingredients.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

# 5. Fire-Fighting Measures

#### **Extinguishing media**

Suitable extinguishing media: foam, dry powder, carbon dioxide, water spray

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides

The substances/groups of substances mentioned can be released in case of fire.

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### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### **Further information:**

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

#### 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### **Environmental precautions**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

# Methods and material for containment and cleaning up

Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

#### 7. Handling and Storage

# Precautions for safe handling

RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect contents from the effects of light. Protect against heat. Protect from air. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Avoid aerosol formation. Avoid dust formation. Provide means for controlling leaks and spills. Do not return residues to the storage containers. Follow label warnings even after container is emptied. The substance/product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

#### Protection against fire and explosion:

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

#### Conditions for safe storage, including any incompatibilities

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Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed. Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

# 8. Exposure Controls/Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

# Components with occupational exposure limits

naphthalene ACGIH, US: TWA value 10 ppm;

ACGIH, US: Skin Designation; Danger of cutaneous

absorption

OSHA Z1: PEL 10 ppm 50 mg/m3;

cumene OSHA Z1: Skin Designation; The substance can be

absorbed through the skin.

OSHA Z1: PEL 50 ppm 245 mg/m3 ;

ACGIH, US: TWA value 5 ppm;

solvent naphtha ACGIH, US: Skin Designation Non-aerosol (total

hydrocarbon vapor); Danger of cutaneous

absorption

ACGIH, US: TWA value 200 mg/m3 Non-aerosol (total

hydrocarbon vapor); Application restricted to conditions in which there are negligible aerosol

exposures.

#### Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

# Personal protective equipment

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

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#### Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

#### **Eye protection:**

Safety glasses with side-shields. Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

#### **Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

#### General safety and hygiene measures:

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

# 9. Physical and Chemical Properties

Form: liquid Odour: aromatic

Odour threshold: Not determined since harmful by inhalation.

Colour: yellow
pH value: approx. 3 - 5
(1 %(m), 25 °C)
Melting point: approx. -20 °C

Information applies to the solvent.

Boiling range: approx. 178 - 209 °C

Information applies to the solvent.

Flash point: 145 °F Flammability: not applicable

Lower explosion limit: As a result of our experience with this

product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with

the intended use.

Upper explosion limit: As a result of our experience with this

product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with

the intended use.

Autoignition: > 450 °C

Information applies to the solvent.

Vapour pressure: approx. 1 hPa

(20°C)

Information applies to the solvent.

Density: approx. 0.93 g/cm3

(20°C)

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7.7696 Lb/USg

(68°F)

Vapour density: not applicable Partitioning coefficient n- not applicable

octanol/water (log Pow):

Thermal decomposition: No decomposition if stored and handled as

prescribed/indicated.

Viscosity, dynamic: approx. 2.80 mPa.s

(20°C)

Solubility in water: emulsifiable
Molar mass: 327.5 g/mol
Evaporation rate: not applicable

Other Information: If necessary, information on other physical and chemical

parameters is indicated in this section.

# 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Not an oxidizer.

# **Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

# Possibility of hazardous reactions

The product is chemically stable.

Hazardous polymerization will not occur. No hazardous reactions if stored and handled as prescribed/indicated.

#### Conditions to avoid

#### Incompatible materials

oxidizing agents

### Hazardous decomposition products

Decomposition products:

Prolonged thermal loading can result in products of degradation being given off.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

# 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

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### **Acute Toxicity/Effects**

#### Acute toxicity

Assessment of acute toxicity: Slightly toxic after single ingestion. Relatively nontoxic after short-term inhalation. Slightly toxic after short-term skin contact.

#### <u>Oral</u>

Type of value: LD50 Species: rat (male) Value: 5,000 mg/kg

Type of value: LD50 Species: rat (female) Value: 4,285.8 mg/kg

#### **Inhalation**

Type of value: LC50

Species: rat Value: > 7.6 mg/l Exposure time: 4 h

#### **Dermal**

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

#### Assessment other acute effects

#### Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness). Causes temporary irritation of the respiratory tract.

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Irritation / corrosion

Assessment of irritating effects: May cause moderate irritation to the skin. Causes substantial but temporary eye injury.

#### Skin

Species: rabbit Result: Irritating.

#### Eye

Species: rabbit Result: Irritating.

#### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

#### Species: guinea pig

Result: Skin sensitizing effects were not observed in animal studies.

### **Aspiration Hazard**

May also damage the lung at swallowing (aspiration hazard). The product has not been tested. The statement has been derived from the properties of the individual components.

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### **Chronic Toxicity/Effects**

#### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

#### Genetic toxicity

Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

#### Information on: naphthalene

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was mutagenic in a mammalian cell culture test system. The substance was not mutagenic in a test with mammals. Literature data.

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#### Carcinogenicity

Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

#### Information on: solvent naphtha

Assessment of carcinogenicity: Long-term exposure to highly irritating concentrations resulted in skin tumors in animals. A carcinogenic effect in humans can be excluded after brief skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Information on: naphthalene

Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by inhalation, a carcinogenic effect was observed. EU-classification The substance was classified as a group 3 carcinogen by the German MAK-Commission (substances for which a suspicion of a carcinogenic potential exists). IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

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#### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

# Teratogenicity

Assessment of teratogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

#### Information on: sethoxydim

Assessment of teratogenicity: Causes developmental effects in animals at high, maternally toxic doses.

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#### Other Information

Misuse can be harmful to health.

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Medical conditions aggravated by overexposure

Existing dermatitis may be aggravated by exposure.

# 12. Ecological Information

# **Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to fish. Acutely harmful for aquatic invertebrates. Very toxic (acute effect) to aquatic plants.

Toxicity to fish

LC50 (96 h) 8.04 mg/l, Pimephales promelas

Chronic toxicity to fish

No observed effect concentration (34 d) 1.19 mg/l, Pimephales promelas

Toxicity to fish

Information on: sethoxydim

LC50 (96 h) > 145.8 mg/l, Cyprinodon variegatus

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Aquatic invertebrates

Information on: sethoxydim

EC50 (96 h) 0.8 mg/l, Mysidopsis bahia

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Aquatic plants

Information on: sethoxydim

EC50 (14 h) > 0.281 mg/l, Lemna gibba (static)

No observed effect concentration (21 d) 0.1 mg/l, Lemna gibba (static)

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Chronic toxicity to fish

Information on: sethoxydim

No observed effect concentration (33 d) 4.86 mg/l, Pimephales promelas

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Chronic toxicity to aquatic invertebrates

Information on: sethoxydim

No observed effect concentration (28 d) 12.5 mg/l, Mysidopsis bahia

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Assessment of terrestrial toxicity

With high probability not acutely harmful to terrestrial organisms. Acutely toxic to honeybees.

Other terrestrial non-mammals

Information on: sethoxydim

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LD50 > 10 ug/bee, Apis mellifera LC50, Anas platyrhynchos

# Persistence and degradability

#### Elimination information

Not readily biodegradable (by OECD criteria).

### Bioaccumulative potential

#### Assessment bioaccumulation potential

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Assessment bioaccumulation potential

Information on: sethoxydim

# Mobility in soil

#### Assessment transport between environmental compartments

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: sethoxydim

Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.

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### **Additional information**

Other ecotoxicological advice:

The ecological data given are those of the active ingredient. Do not release untreated into natural waters.

# 13. Disposal considerations

### Waste disposal of substance:

Pesticide wastes are regulated. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### Container disposal:

Rinse thoroughly at least three times (triple rinse) in accordance with EPA recommendations. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

#### RCRA:

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This product is not regulated by RCRA.

# 14. Transport Information

### Land transport

**USDOT** 

Classified as combustible liquid in containers greater than 119

gallons.

Sea transport

**IMDG** 

Hazard class: 9 Packing group: III

ID number: UN 3082 Hazard label: 9, EHSM Marine pollutant: YES

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains SOLVENT NAPHTHA, SETHOXYDIM)

Air transport

IATA/ICAO

Hazard class: 9 Packing group: III

ID number: UN 3082 Hazard label: 9, EHSM

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains SOLVENT NAPHTHA, SETHOXYDIM)

### **Further information**

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

# 15. Regulatory Information

#### **Federal Regulations**

Registration status:

Crop Protection TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

CERCLA RQ CAS Number Chemical name

100 LBS 91-20-3; 64742- naphthalene; solvent naphtha

94-5

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# State regulations

| State RTK | <b>CAS Number</b> | <b>Chemical name</b> |
|-----------|-------------------|----------------------|
| NJ        | 91-20-3           | naphthalene          |
|           | 64742-94-5        | solvent naphtha      |
|           | 74051-80-2        | Sethoxydim           |
|           | 98-82-8           | cumene               |
|           | 108-88-3          | Toluene              |
| PA        | 91-20-3           | naphthalene          |
|           | 98-82-8           | cumene               |
|           | 64742-94-5        | solvent naphtha      |

### Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

# **BASF Risk Assessment, CA Prop. 65:**

Based on an evaluation of the product's composition and the use(s), this product does not require a California Proposition 65 Warning.

#### NFPA Hazard codes:

Health: 1 Fire: 2 Reactivity: 1 Special:

### Labeling requirements under FIFRA

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

# WARNING:

Causes substantial but temporary eye injury.

CAUSES SKIN IRRITATION.

HARMFUL IF ABSORBED THROUGH SKIN.

HARMFUL IF SWALLOWED.

KEEP OUT OF REACH OF CHILDREN.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

Avoid contact with the skin, eyes and clothing.

#### 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations SDS Prepared on: 2022/10/13

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE. WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK. **END OF DATA SHEET**