SAFETY DATA SHEET

Dismiss NXT

SDS #: 6365-2-A **Revision date**: 2017-06-19

Format: NA Version 2.01



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Dismiss NXT

Other means of identification

Product Code(s) 6365-2-A

Synonyms CARFENTRAZONE-ETHYL (FMC 116426): ethyl

 $\alpha,2\text{-}dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]$ -4-fluorobenzenepropanoate (CAS name); ethyl (RS)-2-chloro-3-[2-chloro-5-(4-difluoromethyl-4,5-dihydro-3-methyl-5- oxo-1H-1,2,4-triazol-1-yl) -4-fluorophenyl]

propionate (IUPAC name),

, SULFENTRAZONE (FMC 97285):

2',4'-dichloro-5'-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)

methanesulfonanilide (IUPAC name);

N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl] methanesulfonamide (CAS name), Xanthan Gum

Active Ingredient(s) Carfentrazone-ethyl , Sulfentrazone

Chemical Family Triazolinones

Alternate Commercial Name F7127 Turf & IVM

Recommended use of the chemical and restrictions on use

Recommended Use: Herbicide

Restrictions on Use: Use as recommended by the label

Supplier Address

FMC Corporation 2929 Walnut Street Philadelphia, PA 19104

(215) 299-6000 (General Information)

msdsinfo@fmc.com (E-Mail General Information)

Emergency telephone number

For leak, fire, spill or accident emergencies, call:

1 800 / 424 9300 (CHEMTREC - U.S.A.)

1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)

Medical Emergencies:

1 800 / 331-3148 (PROSAR - U.S.A. & Canada)

1 651 / 632-6793 (PROSAR - All Other Countries - Collect)

2. HAZARDS IDENTIFICATION

Classification

Version 2.01

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Warning

Hazard Statements

H351 - Suspected of causing cancer

H373 - May cause damage to organs through prolonged or repeated exposure



Precautionary Statements - Prevention

P201 - Obtain special instructions before use

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

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

P308 + P313 - If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

P405 - Store locked up

Precautionary Statements - Disposal

P501 - Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

Very toxic to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family

Triazolinones.

Chemical name	CAS-No	Weight %
Sulfentrazone	122836-35-5	31.8
Carfentrazone-ethyl	128639-02-1	3.5
Glycerin	56-81-5	5-10
Propylene glycol	57-55-6	1-5
Naphtha (petroleum), heavy aromatic	64742-94-5	1-5
Toluene	108-88-3	1-5
Naphthalene	91-20-3	<1

Synonyms are provided in Section 1.

Version 2.01

4. FIRST AID MEASURES

Eye Contact Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact

lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control

center or doctor for further treatment advice.

Skin Contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20

minutes. Call a poison control center or doctor for further treatment advice.

Inhalation Move to fresh air. If person is not breathing, contact emergency medical services, then give

artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or

doctor for further treatment advice.

Ingestion Call a poison control center or doctor immediately for treatment advice Have person sip a

glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison

control center or doctor Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Central nervous system effects.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Carbon dioxide (CO₂). Foam. Dry powder. Water spray.

Specific Hazards Arising from the

Chemical Explosion data

Sensitivity to Mechanical Impact

Sensitivity to Mechanical Impac Sensitivity to Static Discharge

Protective equipment and precautions for firefighters

Slightly combustible. May support combustion at elevated temperatures. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

No information available. No information available.

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing,

gloves and eye/face protection. For personal protection see section 8.

Other For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1

"Product and Company Identification" above.

Environmental PrecautionsKeep people and animals away from and upwind of spill/leak. Keep material out of lakes,

streams, ponds, and sewer drains.

Methods for Containment Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and

transfer to containers for later disposal.

Methods for cleaning up Clean and neutralize spill area, tools and equipment by washing with bleach water and

soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled

prior to recycling or disposal. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

Storage Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces

and sources of ignition. Keep out of reach of children and animals. Store in original

container.

Version 2.01

Incompatible products None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Glycerin (56-81-5)	-	TWA: 15 mg/m ³ TWA: 5 mg/m ³	-	Mexico: TWA 10 mg/m ³
Toluene (108-88-3)	TWA: 20 ppm	TWA: 200 ppm Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³	Mexico: TWA 50 ppm Mexico: TWA 188 mg/m ³
Naphthalene (91-20-3)	TWA: 10 ppm	TWA: 10 ppm TWA: 50 mg/m ³	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m³ STEL: 15 ppm STEL: 75 mg/m³	Mexico: TWA 10 ppm Mexico: TWA 50 mg/m³ Mexico: STEL 15 ppm Mexico: STEL 75 mg/m³
Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
Glycerin (56-81-5)	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	-	TWA: 10 mg/m ³
Propylene glycol (57-55-6)	-	-	TWA: 10 mg/m³ aerosol only TWA: 50 ppm aerosol and vapor TWA: 155 mg/m³ aerosol and vapor	-
Toluene (108-88-3)	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m³ Skin	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m³ Skin
Naphthalene (91-20-3)	TWA: 10 ppm STEL: 15 ppm Skin	TWA: 10 ppm TWA: 52 mg/m³ STEL: 15 ppm STEL: 79 mg/m³	TWA: 10 ppm STEL: 15 ppm Skin	TWA: 10 ppm TWA: 52 mg/m³ STEL: 15 ppm STEL: 79 mg/m³ Skin

Appropriate engineering controls

Engineering measures Apply technical measures to comply with the occupational exposure limits. When working in

confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for

breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

Eye/Face Protection For dust, splash, mist or spray exposure, wear chemical protective goggles.

Skin and Body Protection Wear long-sleeved shirt, long pants, socks, and shoes.

Hand Protection Protective gloves

Respiratory Protection For dust, splash, mist or spray exposures wear a filtering mask.

Hygiene measures Clean water should be available for washing in case of eye or skin contamination. Wash

skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing

separately from regular household laundry.

Version 2.01

General information If the product is used in mixtures, it is recommended that you contact the appropriate

protective equipment suppliers. These recommendations apply to the product as supplied.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Viscous **Physical State** Liquid

Color White to off white Yellow-orange

Odor Solvent

No information available **Odor threshold**

рΗ 4.4 Melting point/freezing point 123 °C

Boiling Point/Range No information available

Flash point > 91 °C / 196 °F Seta Closed Cup

Evaporation Rate No information available Flammability (solid, gas) No information available

Flammability Limit in Air

Upper flammability limit: No information available Lower flammability limit: No information available 1x10-9 mm Hg at 25°C Vapor pressure Vapor density No information available

Density 9.99 lb/gal

Specific gravity No information available Water solubility Dispersible in water Solubility in other solvents No information available Partition coefficient No information available **Autoignition temperature** No information available **Decomposition temperature** No information available Viscosity, kinematic No information available Viscosity, dynamic No information available No information available **Explosive properties** No information available **Oxidizing properties** No information available Molecular weight **Bulk density** No information available

10. STABILITY AND REACTIVITY

Reactivity None under normal use conditions.

Chemical Stability Stable.

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid Excessive heat. Heat, flames and sparks.

Incompatible materials None known.

Hazardous Decomposition Products Carbon oxides (COx), Nitrogen oxides (NOx), Sulfur oxides, Hydrogen chloride, Hydrogen

fluoride.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral 5000 mg/kg (rat) **LD50 Dermal** > 5050 mg/kg (rat) LC50 Inhalation > 2.27 mg/L 4 hr (rat)

Serious eye damage/eye irritation

Minimally irritating (rabbit). Slightly irritating (rabbit). Skin corrosion/irritation

Sensitization Non-sensitizing

Version 2.01

Information on toxicological effects

Symptoms Signs of toxicity in laboratory animals given sulfentrazone included clonic convulsions,

ataxia, hypersensitivity to touch, chromorhinorrhea, abdominogenital staining, decreased

locomotion, lacrimation, nasal discharge, and squinting eyes.

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

Chronic toxicity Carfentrazone-ethyl: Long-term exposure caused hematotoxicity and deposit of porphyrin in

the liver in animal studies.

Sulfentrazone: Prolonged exposure cause decreased hemoglobin content and hematocrit, and increased spleen weight and splenic extramedullary hematopoiesis at high doses in

animal studies.

Mutagenicity Sulfentrazone, Carfentrazone-ethyl: Not genotoxic in laboratory studies.

CarcinogenicitySulfentrazone, Carfentrazone-ethyl: No evidence of carcinogenicity from animal studies. **Neurological effects**Sulfentrazone: Clinical signs of neurotoxicity in laboratory animals was observed at high

dose levels

Carfentrazone-ethyl: Not neurotoxic.

Reproductive toxicity
Developmental toxicity

Sulfentrazone, Carfentrazone-ethyl: No toxicity to reproduction in animal studies.

Sulfentrazone: Fetal weight decreased; delayed skeletal ossification observed at maternally non-toxic doses are reversible effects and a dose-response is established; malformations observed in fetuses at maternally toxic doses and consistent with the mode of action for protoporphyrongen oxidase inhibitors. Developmental toxicity testing and results were

generated for sulfentrazone with toluene present as an impurity.

Carfentrazone-ethyl: Not teratogenic in animal studies.

STOT - single exposure Not classified.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure: See listed target

organs below.

Target organ effects Sulfentrazone: Hematopoietic system.

Neurological effects Sulfentrazone: Clinical signs of neurotoxicity in laboratory animals was observed at high

dose levels

Carfentrazone-ethyl: Not neurotoxic.

Aspiration hazard No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3		Group 3		
Naphthalene 91-20-3	A3	Group 2B	Reasonably Anticipated	X

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as to its carcinogenicity to humans

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity

Sulfentrazone (122836-35-5)				
Active Ingredient(s)	Duration	Species	Value	Units
Sulfentrazone	72 h EC50	Algae	32.8	mg/L
	48 h EC50	Crustacea	60.4	mg/L

SDS #: 6365-2-A

Revision date: 2017-06-19

aic.	20		-0	U-	13
V	ersi	io	n	2	01

96 h LC50	Fish	94	mg/L
21 d NOEC	Fish	5.9	mg/L
21 d NOEC	Crustacea	0.51	mg/L

Carfentrazone-ethyl (128639-0	02-1)			
Active Ingredient(s)	Duration	Species	Value	Units
Carfentrazone-ethyl	72 h EC50	Algae	0.012	mg/L
	96 h LC50	Fish	1.6	mg/L
	48 h LC50	Daphnia	>9.8	mg/L
	96 h NOEC	Algae	1.0	μg/L
	21 d NOEC	Fish	0.0187	mg/L
	21 d NOEC	Crustacea	0.22	mg/L

Sulfentrazone: Persistent. Does not readily hydrolyze. Not readily biodegradable. Persistence and degradability

Carfentrazone-ethyl: Non-persistent. Readily hydrolyzed. Not readily biodegradable.

Bioaccumulation Sulfentrazone, Carfentrazone-ethyl: The substance does not have a potential for

bioconcentration.

Mobility Sulfentrazone: Immobile. Not expected to reach groundwater.

Carfentrazone-ethyl: Not relevant.

13. DISPOSAL CONSIDERATIONS

Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these Waste disposal methods

> wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in

Sections 7 and 8, must be worn while handling materials for waste disposal.

Contaminated Packaging Containers must be disposed of in accordance with local, state and federal regulations.

Refer to the product label for container disposal instructions. Do not reuse or refill this

container.

14. TRANSPORT INFORMATION

DOT This material is not a hazardous material as defined by U.S. Department of Transportation

at 49 CFR Parts 100 through 185.

TDG Classification below is only applicable when shipped by vessel and is not applicable when

shipped by road or rail only.

UN/ID no UN3082

Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.

Hazard class Ш **Packing Group**

Marine Pollutant Sulfentrazone, Carfentrazone-ethyl.

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (sulfentrazone,

carfentrazone-ethyl), 9, PGIII, Marine pollutant

ICAO/IATA

UN/ID no UN3082

Environmentally hazardous substance, liquid, n.o.s. **Proper Shipping Name**

Hazard class Packing Group

UN3082, Environmentally hazardous substance, liquid, n.o.s. (sulfentrazone, Description

carfentrazone-ethyl), 9, PGIII

IMDG/IMO

UN/ID no UN3082

Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.

Page 7/10

Version 2.01

Hazard class 9
Packing Group III
EmS No. F-A, S-F

Marine Pollutant Sulfentrazone, Carfentrazone-ethyl

Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (sulfentrazone,

carfentrazone-ethyl), 9, PGIII, Marine pollutant

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS-No	Weight %	SARA 313 - Threshold Values %
Toluene - 108-88-3	108-88-3	1-5	1.0
Naphthalene - 91-20-3	91-20-3	<1	0.1

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic health hazard Yes
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

Clean Water Act

This product contains the following substances which are regulated 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
Toluene 108-88-3	1000 lb	Х	Х	X
Naphthalene 91-20-3	100 lb	X	Х	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Toluene	1000 lb	
108-88-3	454 kg	
Methyl ethyl ketone	5000 lb	
78-93-3	2270 kg	
Naphthalene	100 lb	
91-20-3	45.4 kg	

FIFRA Information

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 for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin This pesticide is toxic to algae, marine/estuarine invertebrates, and moderately toxic to fish

US State Regulations

Version 2.01

<u>California Proposition 65</u> This product contains the following Proposition 65 chemicals.

Chemical name	California Prop. 65
Toluene - 108-88-3	Developmental
Naphthalene - 91-20-3	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Glycerin 56-81-5	X	X	X
Propylene glycol 57-55-6	X		Х
Toluene 108-88-3	X	X	Х
Naphthalene 91-20-3	X	X	Х

International Inventories

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINC S (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Carfentrazone-ethyl 128639-02-1					Х			
Glycerin 56-81-5	X	X	X	Χ	X	X	X	Х
Propylene glycol 57-55-6	Х	Х	X	Χ	Х	X	Х	Х
Naphtha (petroleum), heavy aromatic 64742-94-5	Х	Х	X		Х	X	Х	Х
Toluene 108-88-3	Х	Х	X	Х	Х	X	Х	Х
Naphthalene 91-20-3	Х	Х	X	Х	Х	X	Х	Х

Mexico - Grade

Moderate risk, Grade 2

Chemical name	Carcinogen Status	Mexico
Glycerin		Mexico: TWA 10 mg/m ³
Toluene		Mexico: TWA 50 ppm
		Mexico: TWA 188 mg/m ³
Naphthalene		Mexico: TWA 10 ppm
·		Mexico: TWA 50 mg/m ³
		Mexico: STEL 15 ppm
		Mexico: STEL 75 mg/m ³

Chemical name	Mexico - Pollutant Release and Transfer Register - Reporting Emissions for Fabrication, Process or Use -Threshold Quantities	Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities
Toluene	1000	1000 kg/yr
	5000 kg/yr	

CANADA

vision date: 2017-06-19 Version 2.01

WHMIS Statement

This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

WHMIS Hazard Class D2A - Very toxic materials

16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 1	Instability 0	Special Hazards -
HMIS	Health Hazards 2*	Flammability 1	Physical hazard 0	Personal Protection X

Revision date: 2017-06-19
Reason for revision: Initial Release

Disclaimer

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Further, since the conditions and methods of use are beyond the control of FMC Corporation, FMC corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

Prepared By:

FMC Corporation

FMC Logo - Trademark of FMC Corporation

© 2017 FMC Corporation. All Rights Reserved.

End of Safety Data Sheet