Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 03/12/2021 Revision date: 01/27/2023 Supersedes: 06/23/2022 Version: 1.0



SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : DT21 - CITRUS AP DEGREASER

Product code : DT2132

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Sky Blue Chemical 760 W. Exchange Road Ogden, Utah 84401 - USA T (801) 394-8611

www.skybluechemical.com

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin Sens. 1 May cause an allergic skin reaction

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



GHS07

Signal word (GHS US) : Warning

Hazard statements (GHS US) : May cause an allergic skin reaction

Precautionary statements (GHS US)

Prevention : Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response : If on skin: Wash with plenty of water.

Specific treatment (see supplemental first aid instruction on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Disposal : Dispose of contents/container to hazardous or special waste collection point, in accordance

with local, regional, national and/or international regulation.

2.3. Other hazards

2.4. Unknown acute toxicity (GHS US)

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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Name	Product identifier	%	GHS US classification
butyl glycolether	(CAS-No.) 111-76-2	3 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2B, H320
UNDECETH-5	(CAS-No.) 34398-01-1	1 – 3	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
d-Limonene	(CAS-No.) 5989-27-5	0.1 – 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs:

Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing

dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.

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Hygiene measures

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: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands

after handling the product.

Conditions for safe storage, including any incompatibilities

: Store in a well-ventilated place. Keep cool. Storage conditions

SECTION 8: Exposure controls/personal protection

Control parameters 8.1.

d-Limonene (5989-27-5)			
Not applicable			
butyl glycolether (111-76-2)			
ACGIH	ACGIH OEL TWA [ppm]	20 ppm	
ACGIH	Remark (ACGIH)	Eye & URT irr	
OSHA	OSHA PEL (TWA) [1]	240 mg/m³	
OSHA	OSHA PEL (TWA) [2]	50 ppm	
UNDECETH-5 (34398-01-1)			
Not applicable			

Exposure controls

Odor threshold

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection Protective gloves. Safety glasses. Eye protection

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

> : No data available : No data available : No data available 10.8 - 11

рΗ : Not applicable Melting point Freezing point No data available : No data available Boiling point : > 212 °F Flash point

Relative evaporation rate (butyl acetate=1) : No data available Flammability : Not applicable. Vapor pressure : No data available : No data available Relative vapor density at 20 °C : No data available Relative density Density : 8.44 lb/gal

Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic No data available : No data available Viscosity, dynamic **Explosion limits** : No data available

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Explosive properties : No data available
Oxidizing properties : No data available

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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d-Limonene (5989-27-5)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal)
butyl glycolether (111-76-2)	
LD50 oral rat	1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LD50 dermal rabbit	435 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity; 435 mg/kg bodyweight; Rabbit; Weight of evidence; Equivalent or similar to OECD 402)
LC50 Inhalation - Rat	> 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (oral)	1746 mg/kg body weight
ATE US (dermal)	435 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
UNDECETH-5 (34398-01-1)	
LD50 oral rat	> 1400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Skin corrosion/irritation	: Not classified
	pH: 10.8 – 11
Serious eye damage/irritation	: Not classified
	pH: 10.8 – 11
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
butyl glycolether (111-76-2)	
IARC group	3 - Not classifiable

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Reproductive toxicity : Not classified STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after skin contact : May cause an allergic skin reaction.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse

effects in the environment.

d-Limonene (5989-27-5)	
LC50 - Fish [1]	720 μg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semistatic system, Fresh water, Experimental value, GLP)
ErC50 algae	0.32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
butyl glycolether (111-76-2)	
LC50 - Fish [1]	1474 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	1550 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	≈ 911 mg/l (72 Hr.)
UNDECETH-5 (34398-01-1)	
LC50 - Fish [1]	1 – 10 mg/l (96 hr.)
EC50 - Crustacea [1]	1 – 10 mg/l (48 hr.)
EC50 - Other aquatic organisms [1]	1 – 10 mg/l (96 hr.)(Algae)

12.2. Persistence and degradability

d-Limonene (5989-27-5)			
Persistence and degradability	Readily biodegradable in water.		
ThOD	3.29 g O ₂ /g substance		
butyl glycolether (111-76-2)			
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.		
Biochemical oxygen demand (BOD)	0.71 g O₂/g substance		
Chemical oxygen demand (COD)	2.2 g O ₂ /g substance		
ThOD	2.305 g O ₂ /g substance		
BOD (% of ThOD)	0.31		

12.3. Bioaccumulative potential

d-Limonene (5989-27-5)		
BCF - Fish [1] 864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)		
Partition coefficient n-octanol/water (Log Pow) 4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)		
Bioaccumulative potential	Not established.	
butyl glycolether (111-76-2)		
Partition coefficient n-octanol/water (Log Pow)	0.81 (Experimental value; BASF test; 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

12.4. Mobility in soil

d-Limonene (5989-27-5)		
Ecology - soil Low potential for mobility in soil.		
butyl glycolether (111-76-2)		
Surface tension 0.027 N/m (25 °C)		

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butyl glycolether (111-76-2)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.451 – 0.882 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

tot applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S

Acetaldehyde CAS-No.	75-07-0 < 0.1%
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1,4-dioxane (123-91-1)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313			
CERCLA RQ	100 lb		
Ethylene oxide (75-21-8)			
Subject to reporting requirements of United State	s SARA Section 313		
CERCLA RQ	10 lb		
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb		
SARA Section 313 - Emission Reporting	0.1 %		
Methyl alcohol (67-56-1)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313			
CERCLA RQ	5000 lb		
SARA Section 313 - Emission Reporting	1 %		
d-Limonene (5989-27-5)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			

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butyl glycolether (111-76-2)				
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard			
SARA Section 313 - Emission Reporting	1 %			
ethylene glycol (107-21-1)				
Subject to reporting requirements of United Sta	tes SARA Section 313			
CERCLA RQ	5000 lb			
SARA Section 313 - Emission Reporting	1 %			
UNDECETH-5 (34398-01-1)				
EPA TSCA Regulatory Flag	FRI - FRI - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used. PMN - PMN - indicates a commenced PMN substance. XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).			
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard			
Acetaldehyde (75-07-0)				
Subject to reporting requirements of United Sta	tes SARA Section 313			
CERCLA RQ	1000 lb			
SARA Section 313 - Emission Reporting	0.1 %			
Tetrasodium ethylenediaminetetraactetate (64-02-8)			
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard			
Sodium hydroxide (1310-73-2)				
Not subject to reporting requirements of the United States SARA Section 313				
CERCLA RQ	1000 lb			
Trisodium orthophosphate, dodecahydrate	10101-89-0)			
Not listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313				
CERCLA RQ	5000 lb			
Disodium metasilicate (6834-92-0)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				

15.2. International regulations

DT21 - CITRUS AP DEGREASER

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

1,4-dioxane (123-91-1)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on EPA Hazardous Air Pollutant (HAPS)

Ethylene oxide (75-21-8)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on EPA Hazardous Air Pollutant (HAPS)

Methyl alcohol (67-56-1)

Listed on EPA Hazardous Air Pollutant (HAPS)

Liquitint Brilliant Orange (L82000)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

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butyl glycolether (111-76-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

ethylene glycol (107-21-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on EPA Hazardous Air Pollutant (HAPS)

UNDECETH-5 (34398-01-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Acetaldehyde (75-07-0)

Listed as carcinogen on NTP (National Toxicology Program)

Tetrasodium ethylenediaminetetraactetate (64-02-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Sodium hydroxide (1310-73-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Trisodium nitrilotriacetate (5064-31-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Trisodium orthophosphate, dodecahydrate (10101-89-0)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

15.3. US State regulations

1,4-dioxane (123-91-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	30 μg/day
Ethylene oxide (75-21-8)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	Yes	Yes	Yes	2 μg/day
Methyl alcohol (67-56-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	No	
ethylene glycol (107-21-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	No	
Acetaldehyde (75-07-0)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	90 μg/day

1,4-dioxane (123-91-1)

U.S. - New Jersey - Right to Know Hazardous Substance List

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Ethylene oxide (75-21-8)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Methyl alcohol (67-56-1)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List

butyl glycolether (111-76-2)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

ethylene glycol (107-21-1)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Acetaldehyde (75-07-0)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Sodium hydroxide (1310-73-2)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Trisodium nitrilotriacetate (5064-31-3)

U.S. - Massachusetts - Right To Know List

SECTION 16: Other information

Revision date : 01/27/2023

Full text of H-phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1

SDS US (GHS HazCom 2012) - Custom

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