Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 09/08/2008 Revision date: 03/13/2023 Supersedes: 03/31/2022 Version: 1.0



Issue date: 09/08/2008	Revision date: 03/13/2023	Supersedes: 03/31/2022	Version: 1.0
SECTION 1: Identific	cation		
1.1. Identification			
Product form	:	Mixture	
Product name	:	CW65 - ULTRA DRYING AGENT	
Product code	:	CW65	
4.0 Delevent identif			
		ce or mixture and uses advised a	against
Use of the substance/mixtu	lite :	Clear Coat Rinse Aid	
1.3. Details of the su	upplier of the safety data	a sheet	
Sky Blue Chemical			
760 W. Exchange Road Ogden, Utah 84401 - USA			
T (801) 394-8611			
www.skybluechemical.com	<u>1</u>		
1.4. Emergency tele	phone number		
Emergency number		Chemtrec 1-800-424-9300	
	·		
SECTION 2: Hazard	(s) identification		
2.1. Classification o	of the substance or mixtu	ıre	
GHS US classification			
Skin Irrit. 2 Causes skin	irritation		
	ous eye irritation		
Skin Sens. 1 May cause a			
Carc. 1B May cause c	ancer		
2.2. Label elements			
GHS US labeling			
Hazard pictograms (GHS L	JS) :	\wedge	
		GHS07 GHS08	
Signal word (GHS US)			
č		Danger	
Hazard statements (GHS L	/	Causes skin irritation May cause an allergic skin reaction	
		Causes serious eye irritation	I
		May cause cancer	
Precautionary statements ((GHS US)		
Prevention		Obtain special instructions before	
		Do not handle until all safety preca Avoid breathing dust/fume/gas/mis	autions have been read and understood.
		Wash hands, forearms and face th	
			not be allowed out of the workplace.
			clothing/eye protection/face protection.
Response		If on skin: Wash with plenty of wath	
		and easy to do. Continue rinsing.	water for several minutes. Remove contact lenses, if present
		If exposed or concerned: Get med	ical advice/attention.
		Specific treatment (see supplement	tal first aid instruction on this label).
		If skin irritation occurs: Get medica	
		If skin irritation or rash occurs: Get If eye irritation persists: Get medic	
		Take off contaminated clothing and	
		Wash contaminated clothing befor	
Storage	:	Store locked up.	
Disposal			azardous or special waste collection point, in accordance
		with local, regional, national and/or	r international regulation.

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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

Name	Product identifier	%	GHS US classification
butyl glycolether	(CAS-No.) 111-76-2	10 – 20	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
DICOCODIMONIUM CHLORIDE	(CAS-No.) 61789-77-3	5 – 20	Acute Tox. 4 (Oral), H302
Distillates (petroleum), hydrotreated middle, Gasoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]	(CAS-No.) 64742-46-7	5 – 10	Carc. 1B, H350
Isopropyl alcohol	(CAS-No.) 67-63-0	1 – 3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
d-Limonene	(CAS-No.) 5989-27-5	0.1 – 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 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 general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 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 immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and effect	cts, both acute and delayed
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
4.3. Indication of any immediate medica	I attention and special treatment needed
Treat symptomatically.	

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Sand. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
Emerger	ncy procedures	: Evacuate unnecessary personnel. Keep upwind. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.	
6.1.2.	For emergency responders		
Protectiv	e equipment	Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".	
Emerger	ncy procedures	: Ventilate area.	
6.2.	Environmental precautions		
Avoid rel	ease to the environment. See Section 1	2 for additional Ecological information. Notify authorities if product enters sewers or public waters.	
6.3.	Methods and material for containment and cleaning up		

Methods for cleaning up	Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
0.4 Defense of the other continue	

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. 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. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene measures :	Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions :	Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use. Store locked up. Store in a well- ventilated place. Keep cool.
Incompatible products :	Strong acids. Strong bases. Strong oxidizing agents.
Incompatible materials :	Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

butyl glycolether (111-76-2)		
ACGIH	ACGIH OEL TWA [ppm]	20 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr

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butyl glycolether (111-76-2)			
OSHA O	OSHA PEL (TWA) [1]	240 mg/m ³	
OSHA C	OSHA PEL (TWA) [2]	50 ppm	
Isopropyl alcohol (67-63-0)			
ACGIH A	CGIH OEL TWA [ppm]	200 ppm	
ACGIH A	CGIH OEL STEL [ppm]	400 ppm	
ACGIH R	emark (ACGIH)	Eye & URT irr; CNS impair	
OSHA O	PSHA PEL (TWA) [1]	980 mg/m³	
OSHA O	SHA PEL (TWA) [2]	400 ppm	
DICOCODIMONIUM CHLORIDE	(61789-77-3)		
Not applicable	(01100 11 0)		
the range of C11 through C25 a Not applicable d-Limonene (5989-27-5)		nsists of hydrocarbons having carbon numbers predominantly in ely 205 °C to 400 °C (401 °F to 752 °F).] (64742-46-7)	
Not applicable			
land protection ye protection kin and body protection espiratory protection nvironmental exposure controls	: Wear suitable protectiv	afety glasses. Safety glasses. /e clothing. k. Wear respiratory protection.	
Other information	: Do not eat, drink or sm	: Do not eat, drink or smoke during use.	
SECTION 9: Physical and	chemical properties		
4 Information and asterni	hysical and chemical properties		
0.1. Information on basic ph	iysical and chemical properties		
hysical state	: Liquid : No data available : No data available		
hysical state	: Liquid : No data available : No data available : No data available		
hysical state dor threshold H	: Liquid : No data available : No data available : No data available : 5 – 8		
hysical state dor threshold H lelting point	 Liquid No data available No data available No data available No data available 5 - 8 Not applicable 		
hysical state dor threshold H lelting point reezing point	 Liquid No data available No data available No data available No data available 5 - 8 Not applicable No data available 		
hysical state dor threshold H lelting point reezing point oiling point	 Liquid No data available No data available No data available No data available 5 - 8 Not applicable 		
hysical state dor threshold H lelting point reezing point oiling point lash point	 Liquid No data available No data available No data available S - 8 Not applicable No data available No data available > 120 °C CC 		
Physical state Odor threshold H Aelting point Goiling point Boiling point Pash point Relative evaporation rate (butyl ace	 Liquid No data available No data available No data available S - 8 Not applicable No data available No data available > 120 °C CC 		
hysical state Door threshold H felting point reezing point reoling point lash point lelative evaporation rate (butyl ace lammability	 Liquid No data available No data available No data available No data available 5 - 8 Not applicable No data available No data available > 120 °C CC etate=1) No data available 		
Physical state Odor threshold H felting point reezing point soiling point lash point	 Liquid No data available No data available No data available No data available 5 - 8 Not applicable No data available No data available > 120 °C CC etate=1) No data available No data available No data available 		

Auto-ignition temperature

Decomposition temperature

Density

Solubility

Partition coefficient n-octanol/water (Log Pow)

: 8.19 lb/gal

: Soluble in water.

: No data available

: No data available

: No data available

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/iscosity, kinematic	: No data available
/iscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Dxidizing properties	: No data available
0.2. Other information	
/OC content	: 11.1 %
SECTION 10: Stability and reactivity	V
10.1. Reactivity	, ,
The product is non-reactive under normal cond	litions of use, storage and transport.
0.2. Chemical stability	
Stable under normal conditions.	
0.3. Possibility of hazardous reactions	
Not established.	
0.4. Conditions to avoid	
Direct sunlight. Extremely high or low temperate	ures.
0.5. Incompatible materials	
Strong acids. Strong bases. Strong oxidizing a	gents.
10.6. Hazardous decomposition product	ts
ume. Carbon monoxide. Carbon dioxide.	
	ation
	S S
SECTION 11: Toxicological informa 11.1. Information on toxicological effect	S
1.1. Information on toxicological effect	: Not classified
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2)	: Not classified
Information on toxicological effect Acute toxicity	
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Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 435 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity; 435
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LD50 dermal rabbit	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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)
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LC50 Inhalation - Rat ATE US (oral) ATE US (dermal)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LC50 Inhalation - Rat ATE US (oral) ATE US (dermal) ATE US (gases)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat ATE US (oral) ATE US (gases) ATE US (vapors)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 410 mg/l/4h
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LC50 Inhalation - Rat ATE US (oral) ATE US (gases)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight
1.1. Information on toxicological effect acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 410 mg/l/4h
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 inhalation - Rat ATE US (oral) ATE US (gases) ATE US (vapors)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 4100 ppmV/4h 11 mg/l/4h
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1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (vapors) ATE US (dust, mist) Isopropyl alcohol (67-63-0) LD50 oral rat	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 4500 ppmV/4h 11 mg/l/4h 1.5 mg/l/4h 5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) 16400 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14
1.1. Information on toxicological effect acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat ATE US (oral) ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (dust, mist) Isopropyl alcohol (67-63-0) LD50 oral rat LD50 dermal rabbit LD50 dermal rabbit	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 4500 ppmV/4h 11 mg/l/4h 1.5 mg/l/4h 5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) 16400 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value,
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat ATE US (oral) ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (dust, mist) Isopropyl alcohol (67-63-0) LD50 oral rat LD50 dermal rabbit LD50 dermal rabbit	Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 435 mg/kg body weight 11 mg/l/4h 1.5 mg/l/4h 5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) 16400 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
1.1. Information on toxicological effect Acute toxicity Intervention butyl glycolether (111-76-2) Intervention LD50 oral rat Intervention LD50 dermal rat Intervention ATE US (oral) ATE US (dermal) ATE US (dust, mist) Intervention Isopropyl alcohol (67-63-0) Intervention LD50 oral rat Intervention LD50 dermal rabbit Intervention LD50 dermal rabbit Intervention LD50 dermal rabbit Intervention LD50 (oral) ATE US (oral) ATE US (oral) ATE US (dermal)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 4500 ppmV/4h 11 mg/l/4h 1.5 mg/l/4h 5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) 16400 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 5840 mg/kg body weight 12890400 mg/kg body weight
1.1. Information on toxicological effect acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat ATE US (oral) ATE US (oral) ATE US (dermal) ATE US (dermal) ATE US (gases) ATE US (dust, mist) Isopropyl alcohol (67-63-0) LD50 oral rat LD50 oral rat LD50 dermal rabbit LC50 Inhalation - Rat [ppm] ATE US (oral) ATE US (oral) ATE US (oral) ATE US (oral) ATE US (oral) ATE US (dermal)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 4500 ppmV/4h 11 mg/l/4h 1.5 mg/l/4h 5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) 16400 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 5840 mg/kg body weight 12890400 mg/kg body weight
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat Acute toxicity ATE US (oral) ATE US (dermal) ATE US (dust, mist) Acute US (dust, mist) Isopropyl alcohol (67-63-0) LD50 oral rat LD50 dermal rabbit LC50 Inhalation - Rat [ppm] ATE US (oral) ATE US (oral)	 Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 4500 ppmV/4h 11 mg/l/4h 1.5 mg/l/4h 5840 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 5840 mg/kg body weight 12890400 mg/kg body weight
1.1. Information on toxicological effect Acute toxicity butyl glycolether (111-76-2) LD50 oral rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat LD50 dermal rat ATE US (oral) ATE US (oral) ATE US (dermal) ATE US (dermal) ATE US (gases) ATE US (dust, mist) Isopropyl alcohol (67-63-0) LD50 oral rat LD50 oral rat LD50 dermal rabbit ATE US (oral) ATE US (oral) ATE US (dermal) DICOCODIMONIUM CHLORIDE (61789-77-3 LD50 oral rat DS0 oral rat	Not classified 1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity) 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) > 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 1746 mg/kg body weight 435 mg/kg body weight 4500 ppmV/4h 11 mg/l/4h 1.5 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) 16400 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) 5840 mg/kg body weight 12890400 mg/kg body weight

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d-Limonene (5989-27-5)		
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal, 7 day(s))	
Skin corrosion/irritation	: Causes skin irritation.	
	pH: 5 – 8	
Serious eye damage/irritation	: Causes serious eye irritation.	
	pH: 5 – 8	
Respiratory or skin sensitization	: May cause an allergic skin reaction.	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: May cause cancer.	
butyl glycolether (111-76-2)		
IARC group	3 - Not classifiable	
Isopropyl alcohol (67-63-0)		
IARC group	3 - Not classifiable	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.	
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.	
Symptoms/effects after eye contact	: Eye irritation.	

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.

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.)	
Isopropyl alcohol (67-63-0)		
LC50 - Fish [1]	9640 – 10000 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow- through system, Fresh water, Experimental value, Lethal)	
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, Semi- static system, Fresh water, Experimental value, GLP)	

12.2. Persistence and degradability

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 O ₂ /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

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Isopropyl alcohol (67-63-0)			
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	1.19 g O ₂ /g substance		
Chemical oxygen demand (COD)	2.23 g O ₂ /g substance		
ThOD	2.4 g O ₂ /g substance		
d-Limonene (5989-27-5)			
Persistence and degradability	Readily biodegradable in water.		
ThOD	3.29 g O ₂ /g substance		
2.3. Bioaccumulative potential			
CW65 - ULTRA DRYING AGENT			
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).		
Isopropyl alcohol (67-63-0)			
Partition coefficient n-octanol/water (Log Pow)	0.05 (Weight of evidence approach, 25 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
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.		
2.4. Mobility in soil			
butyl glycolether (111-76-2)			
Surface tension	0.027 N/m (25 °C)		
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.		
Isopropyl alcohol (67-63-0)			
Surface tension	No data available (test not performed)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.185 – 0.541 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Ecology - soil	Highly mobile in soil.		
d-Limonene (5989-27-5)			
Surface tension	No data available in the literature		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.049 – 3.801 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Ecology - soil	Low potential for mobility in soil.		
12.5. Other adverse effects			

12.5. Other adverse effe

Other information

: Avoid release to the environment.

SECTION 13: Disposal consideration	hs
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	

Department of Transportation (DOT)

In accordance with DOT Not regulated

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Transportation of Dangerous Goods

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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 States SARA Section 313		
CERCLA RQ	5000 lb	
SARA Section 313 - Emission Reporting	1 %	
Isopropyl alcohol (67-63-0)		
Subject to reporting requirements of United States SARA Section 313		
SARA Section 313 - Emission Reporting	1 %	

DIETHYL PHTHALATE (84-66-2)	
Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	1000 lb

15.2. International regulations CW65 - ULTRA DRYING AGENT 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 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 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 the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on EPA Hazardous Air Pollutant (HAPS)

Distillates (petroleum), hydrotreated middle, Gasoil - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).] (64742-46-7)

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

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DIETHYL PHTHALATE (84-66-2)

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

15.3. US State regulations

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

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	

butyl glycolether (111-76-2)
J.S Massachusetts - Right To Know List
J.S New Jersey - Right to Know Hazardous Substance List
J.S Pennsylvania - ŘTK (Right to Know) List
othylene glycol (107-21-1)
J.S Massachusetts - Right To Know List
J.S New Jersey - Right to Know Hazardous Substance List
J.S Pennsylvania - RTK (Right to Know) List
sopropyl alcohol (67-63-0)
J.S Massachusetts - Right To Know List
J.S New Jersey - Right to Know Hazardous Substance List
J.S Pennsylvania - RTK (Right to Know) List
3ENZALDEHYDE (100-52-7)
J.S New Jersey - Right to Know Hazardous Substance List
DIETHYL PHTHALATE (84-66-2)
J.S Massachusetts - Right To Know List
J.S New Jersey - Right to Know Hazardous Substance List
J.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Revision date	:	03/13/2023
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: None.

Full text of H-phrases:

Other information

Acute toxicity (dermal) Category 3
Acute toxicity (inhalation) Category 4
Acute toxicity (oral) Category 4
Hazardous to the aquatic environment – Acute Hazard Category 1
Hazardous to the aquatic environment – Chronic Hazard Category 1
Aspiration hazard Category 1
Carcinogenicity Category 1B
Serious eye damage/eye irritation Category 2
Serious eye damage/eye irritation Category 2B
Flammable liquids Category 2
Flammable liquids Category 3
Flammable liquids Category 4
Skin corrosion/irritation Category 2
Skin sensitization, Category 1
Specific target organ toxicity – Single exposure, Category 3, Narcosis

SDS US (GHS HazCom 2012) - Custom

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