

Date of issue: 08/04/2014 Revision date:

Version: 1.0

SECTION 1: Identification of the	e substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: 8260 Surrogate Standard 1
Product code	: AL0-101446
Product group	: Trade product
1.2. Relevant identified uses of the	e substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Laboratory Use
Industrial/Professional use spec	: Industrial
Use of the substance/mixture	For professional use only : Certified reference material for laboratory use only
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the s	afety data sheet
Phenova	
6390 Joyce Dr. Suite 100 80403 Golden, CO - United States T 1-866-942-2978 - F 1-866-283-0269	
info@phenova.com - www.phenova.com	
1.4. Emergency telephone number	
Emergency number	: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585
SECTION 2: Hazards identificat	ion
2.1. Classification of the substanc	
Classification according to Regulation	(EC) No. 1272/2008 [CLP]
Flam. Liq. 2 H225	
Acute Tox. 3 (Oral) H301	
Acute Tox. 3 (Dermal) H311	
Carc. 1B H350	
STOT SE 1 H370	
Classification according to Directive 67	
Carc.Cat.2; R45	
F; R11	
T; R23/24/25	
T; R39/23/24/25	
Full text of R-phrases: see section 16	
Adverse physicochemical, human heal	th and environmental effects
No additional information available	
2.2. Label elements	
Labeling according to Regulation (EC)	No. 1272/2008 [CL P]
Hazard pictograms (CLP)	
	GHS02 GHS06 GHS08
Signal word (CLP)	: Danger
Hazardous ingredients	: 1,2-Dichloroethane-d4, methanol
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapor
16/04/2015	EN (English US) 1/*

	H301+H311 - Toxic if swallowed or in contact with skin H350 - May cause cancer H370 - Causes damage to organs
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P260 - Do not breathe dust, fume, gas, mist, spray, vapors P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P308+P313 - IF exposed or concerned: Get medical advice/attention P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up
Na labaling applicable	

No labeling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
methanol (Component)	(CAS No) 67-56-1 (EC no) 200-659-6 (EC index no) 603-001-00-X	99	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
1,2-Dichloroethane-d4 (Component) substance listed as REACH Candidate (1,2-dichloroethane) substance listed in REACH Annex XIV (1,2-dichloroethane (EDC))	(CAS No) 17060-07-0 (EC no) 203-458-1 (EC index no) 602-012-00-7	0.25	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 1B, H350 STOT SE 3, H335
toluene-D8 (Component)	(CAS No) 2037-26-5 (EC no) 218-009-5 (EC index no) 601-021-00-3	0.25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
Name	Product identifier	Specific of	concentration limits
methanol (Component)	(CAS No) 67-56-1 (EC no) 200-659-6 (EC index no) 603-001-00-X		0) STOT SE 2, H371 STOT SE 1, H370

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. Call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a poison center or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	 Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call poison center or doctor/physician.
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/injuries after skin contact	 Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
Symptoms/injuries after ingestion	: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate medi	cal attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the	substance or mixture
Fire hazard	: Highly flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
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.
SECTION 6: Accidental release me	easures
	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapors/spray.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. No	otify authorities if liquid enters sewers or public waters.
6.3. Methods and material for contain	ment and cleaning up
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect
Mothodo for cloaning ap	spillage. Store away from other materials.
6.4. Reference to other sections	
See Heading 8. Exposure controls and person	nal protection.
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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	Llandla ampty containers with care because residual varies are flammable
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	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. No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene measures	: Do not eat, drink or smoke when using this product. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond
	container and receiving equipment.
Storage conditions	: Keep in fireproof place. Keep container tightly closed. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pe	rsonal protection
8.1. Control parameters	
No additional information available	

No additional information available

8.2. Exposure controls

Appropriate engineering controls

: Either local exhaust or general room ventilation is usually required.

Personal protective equipment	 Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses. 	
Hand protection	 Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration. 	
Eye protection	: Chemical goggles or safety glasses. Safety glasses.	
Skin and body protection	: Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.	
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.	
Other information	: Do not eat, drink or smoke during use.	
SECTION 9: Physical and chemical	properties	
9.1. Information on basic physical and	chomical proportios	_
Physical state	: Liquid	
Physical state	: Liquid	
Physical state Color	: Liquid : Colorless.	
Physical state Color Odor	: Liquid : Colorless. : characteristic.	
Physical state Color Odor pH	 Liquid Colorless. characteristic. No data available 	
Physical state Color Odor pH Melting point	 Liquid Colorless. characteristic. No data available No data available 	

Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapor
Relative density	: No data available
Solubility	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and re	eactivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Not established. Highly flammable liq	uid and vapor. May form flammable/explosive vapor-air mixture.
10.3. Possibility of hazardous r	reactions
Not established.	
10.4. Conditions to avoid	
Direct sunlight. Extremely high or low	temperatures. Open flame.
10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition	n products
fume. Carbon monoxide. Carbon diox	kide. May release flammable gases.
SECTION 11: Toxicological	information
11.1. Information on toxicologi	cal effects
Acute toxicity	: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.
8260 Surrogate Standard 1	
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight

1,2-Dichloroethane-d4 (17060-07-0)	
LD50 oral rat	670 mg/kg (Rat)
LD50 dermal rabbit	2800 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (ppm)	1000 ppm
ATE CLP (oral)	670.000 mg/kg body weight
ATE CLP (dermal)	2800.000 mg/kg body weight
toluene-D8 (2037-26-5)	
LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rat	> 20 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat)
methanol (67-56-1)	
LD50 oral rat	> 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit	15800 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	64000 ppm/4h (Rat; Literature study)
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (gases)	700.000 ppmV/4h
ATE CLP (vapors)	3.000 mg/l/4h
ATE CLP (dust, mist)	0.500 mg/l/4h
Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: Not classified
	Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: May cause cancer.
Carolinogonioky	May cause cancer
	-
Reproductive toxicity	: Not classified
.	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Causes damage to organs.
Specific target organ toxicity (repeated	: Not classified
exposure)	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
•	Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Toxic if swallowed. Toxic in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

1,2-Dichloroethane-d4 (17060-07-0)	
LC50 fish 1	225 mg/l (96 h; Oncorhynchus mykiss (rainbow trout)
EC50 Daphnia 1	540 mg/l (24 h; Daphnia magna)
TLM fish 1	150 mg/l (Lagodon rhomboides)
Threshold limit algae 1	710 mg/l (Scenedesmus subspicatus)
Threshold limit algae 2	105 mg/l (192 h; Microcystis aeruginosa)
toluene-D8 (2037-26-5)	
LC50 fish 1	24 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Non deuterium form)
EC50 Daphnia 1	84 mg/l (24 h; Daphnia magna; Non deuterium form)
EC50 other aquatic organisms 1	135 mg/l (336 h; Selenastrum capricornutum; Non deuterium form)
LC50 fish 2	35 mg/l (96 h; Oryzias latipes; Non deuterium form)
EC50 Daphnia 2	11.5 - 19.6 mg/l (48 h; Daphnia magna; Non deuterium form)
TLM fish 1	24 mg/l (96 h; Lepomis macrochirus; Non deuterium form)
TLM fish 2	34 - 56,96 h; Pimephales promelas; Non deuterium form

toluene-D8 (2037-26-5)	
Threshold limit algae 1	> 400 mg/l (Scenedesmus quadricauda; Non deuterium form)
Threshold limit algae 2	105 mg/l (Microcystis aeruginosa; Non deuterium form)
methanol (67-56-1)	
LC50 fish 1	15400 mg/l (96 h; Lepomis macrochirus; Lethal)
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna; Lethal)
LC50 fish 2	10800 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	24500 mg/l (48 h; Daphnia magna; Locomotor effect)
Threshold limit other aquatic organisms 1	6600 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	530 mg/l (192 h; Microcystis aeruginosa)
Threshold limit algae 2	8000 mg/l (168 h; Scenedesmus quadricauda)

12.2. Persistence and degradability	
8260 Surrogate Standard 1	
Persistence and degradability	Not established.
1,2-Dichloroethane-d4 (17060-07-0)	
Persistence and degradability	Not readily biodegradable in water. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.0014 g O /g substance
Chemical oxygen demand (COD)	1.025 g O□ /g substance
ThOD	0.98 g O□ /g substance
BOD (% of ThOD)	0.001 % ThOD
toluene-D8 (2037-26-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	2.15 g O /g substance
Chemical oxygen demand (COD)	2.52 g O /g substance
ThOD	3.13 g O /g substance
BOD (% of ThOD)	0.69 % ThOD
methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O□ /g substance
Chemical oxygen demand (COD)	1.42 g O /g substance
ThOD	1.5 g O□ /g substance
BOD (% of ThOD)	0.8 % ThOD
12.3. Bioaccumulative potential	
8260 Surrogate Standard 1	
Bioaccumulative potential	Not established.
1,2-Dichloroethane-d4 (17060-07-0)	2 (336 h: Lenomis macrochirus)
1,2-Dichloroethane-d4 (17060-07-0) BCF fish 1	2 (336 h; Lepomis macrochirus)
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log Pow	1.45 - 1.48 (Experimental value)
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potential	
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log Pow	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potential	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1BCF fish 1BCF fish 1BCF fish 2	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1BCF fish 2Log Pow	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1BCF fish 2Log Pow	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1BCF fish 2Log PowBioaccumulative potential	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1BCF fish 2Log PowBioaccumulative potential112.4.Mobility in soil1,2-Dichloroethane-d4 (17060-07-0)	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1BCF fish 2Log PowBioaccumulative potential	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1BCF fish 2Log PowBioaccumulative potential112.4.Mobility in soil1,2-Dichloroethane-d4 (17060-07-0)	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).
1,2-Dichloroethane-d4 (17060-07-0)BCF fish 1Log PowBioaccumulative potentialtoluene-D8 (2037-26-5)BCF fish 1BCF other aquatic organisms 1BCF other aquatic organisms 2Log PowBioaccumulative potentialmethanol (67-56-1)BCF fish 1BCF fish 2Log PowBioaccumulative potential12.4.Mobility in soil1,2-Dichloroethane-d4 (17060-07-0)Surface tension	1.45 - 1.48 (Experimental value) Low potential for bioaccumulation (BCF < 500).

according to Regulation (EC) No. 453/2010	
Component	
(17060-07-0)	This substance/mixture does not meet the PBT criteria of REACH, annex XIII
	This substance/mixture does not meet the vPvB criteria of REACH, annex XIII
12.6. Other adverse effects	
Additional information	: Avoid release to the environment
SECTION 13: Disposal consideration	ons
13.1. Waste treatment methods	
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapors are flammable.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.
SECTION 14: Transport information	h
In accordance with ADR / RID / IMDG / IATA /	ADN
14.1. UN number	
UN-No. (ADR)	: 1992
UN-No.(IATA)	: 1992
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Proper Shipping Name (IATA)	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Proper Shipping Name (ADN)	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Transport document description (ADR)	: UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (methanol(67-56-1)), 3 (6.1), II, (D/E)
14.3. Packing group	
Class (ADR)	: 3
Classification code (ADR)	: FT1
Class (IATA)	: 3
Class (IMDG)	: 3
Class (ADN)	: 3
Subsidiary risks (ADR)	: 6.1
Hazard labels (ADR)	: 3, 6.1
Hazard labels (IATA)	: 3, 6.1
14.4. Packing group	
Packing group (ADR)	
Packing group (IATA)	: 11
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
14.6.1. Overland transport	
Hazard identification number (Kemler No.)	: 336
Classification code (ADR)	: FT1
Orange plates	336 1992
Special provision (ADR)	: 274
Transport category (ADR)	: 2

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Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
14.6.2. Transport by sea	
No additional information available	
14.6.3. Air transport	
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
PCA packing instructions (IATA)	: 352
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA max net quantity (IATA)	: 1L
PCA Excepted quantities (IATA)	: E2
ERG code (IATA)	: 3HP
14.6.4. Inland waterway transport	
Carriage prohibited (ADN)	: No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains substance on the candidate list in concentration ≥ 0.1% or with a lower specific limit: 1,2-dichloroethane (EC 203-458-1, CAS 17060-07-0) Contains REACH Annex XIV substances:

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment	
No chemical safety assessment has been ca	arried out
,	
SECTION 16: Other information	
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

PHV SDS EU

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