



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture 14 OZ CAMIE 300 GNRL PRPS ADHSVE LT 12PK
Registration number -
Synonyms None.
Product number 1000002395
Issue date 08-01-2014
Version number 01

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

Identified uses SCREEN PRINT FLASH ADHESIVE

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Camie-Campbell, Inc.
Address 1005 S. Westgate Drive
Addison, IL 60101
United States
Telephone
e-mail customerservice@camie.com

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification F+;R12, Repr. Cat. 3;R62, Xn;R65-48/20, Xi;R36/38, R67, N;R51/53

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Aerosols	Category 1	H222 - Extremely flammable aerosol. H229 - Pressurized container: May burst if heated.
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Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Reproductive toxicity (fertility)	Category 2	H361f - Suspected of damaging fertility.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	Category 2	H373 - May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Category 1	H304 - May be fatal if swallowed and enters airways.

Environmental hazards

Hazardous to the aquatic environment, acute aquatic hazard	Not classified	
Hazardous to the aquatic environment, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.

Hazard summary

Physical hazards	Extremely flammable.
Health hazards	Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of impaired fertility. Also harmful: may cause lung damage if swallowed. Vapors may cause drowsiness and dizziness. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Specific hazards	None known.
Main symptoms	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. Severe eye irritation. Irritation of eyes and mucous membranes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, 3-Methylpentane, Acetone, Ethyl Benzene, n-Hexane, Phenol, Styrene

Hazard pictograms



Signal word

Danger

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe mist or vapor.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P321	Specific treatment (see this label).
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Storage

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Supplemental label information 60,69% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
n-Hexane	20 - 40	110-54-3 203-777-6	-	601-037-00-0	#
Classification:	DSD: F;R11, Repr. Cat. 3;R62, Xn;R65-48/20, Xi;R38, R67, N;R51/53				
	CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Repr. 2;H361f, STOT RE 2;H373, Aquatic Chronic 2;H411				
Acetone	10 - 20	67-64-1 200-662-2	-	606-001-00-8	#
Classification:	DSD: F;R11, Xi;R36, R66-67, N;R51/53				
	CLP: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336, Aquatic Chronic 2;H411				
2-Methylpentane	2,5 - 10	107-83-5 203-523-4	-	601-007-00-7	
Classification:	DSD: F;R11, Xn;R65, Xi;R38, R67, N;R51/53				C
	CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411				C
3-Methylpentane	2,5 - 10	96-14-0 202-481-4	-	601-007-00-7	
Classification:	DSD: F;R11, Xn;R65, Xi;R38, R67, N;R51/53				C
	CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411				C
Dimethyl Ether	2,5 - 10	115-10-6 204-065-8	-	603-019-00-8	#
Classification:	DSD: F+;R12				
	CLP: Flam. Liq. 1;H224				U
2,2-Dimethylbutane	1 - 2,5	75-83-2 200-906-8	-	601-007-00-7	
Classification:	DSD: F;R11, Xn;R65, Xi;R38, R67, N;R51/53				C
	CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411				C
2,3-Dimethylbutane	1 - 2,5	79-29-8 201-193-6	-	601-007-00-7	
Classification:	DSD: F;R11, Xn;R65, Xi;R38, R67, N;R51/53				C
	CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411				C

Other components below reportable levels 20 - 40

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
4.1. Description of first aid measures	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
4.2. Most important symptoms and effects, both acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards	Extremely flammable aerosol.
5.1. Extinguishing media	
Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Special fire fighting procedures	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 3 Aerosol.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
2,2-Dimethylbutane (CAS 75-83-2)	MAK	715 mg/m ³
	STEL	200 ppm
		2860 mg/m ³ 800 ppm
2,3-Dimethylbutane (CAS 79-29-8)	MAK	715 mg/m ³
	STEL	200 ppm
		2860 mg/m ³ 800 ppm
2-Methylpentane (CAS 107-83-5)	MAK	715 mg/m ³
	STEL	200 ppm
		2860 mg/m ³ 800 ppm
3-Methylpentane (CAS 96-14-0)	MAK	715 mg/m ³
	STEL	200 ppm
		2860 mg/m ³ 800 ppm
Acetone (CAS 67-64-1)	MAK	1200 mg/m ³
	STEL	500 ppm
		4800 mg/m ³ 2000 ppm
Butane (CAS 106-97-8)	Ceiling	3800 mg/m ³
	MAK	1600 ppm
		1900 mg/m ³ 800 ppm
Dimethyl Ether (CAS 115-10-6)	Ceiling	3820 mg/m ³
	MAK	2000 ppm
		1910 mg/m ³ 1000 ppm
n-Hexane (CAS 110-54-3)	MAK	72 mg/m ³
	STEL	20 ppm
		288 mg/m ³ 80 ppm
Propane (CAS 74-98-6)	Ceiling	3600 mg/m ³
	MAK	2000 ppm
		1800 mg/m ³

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
		1000 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
	TWA	1000 ppm
		1210 mg/m3
		500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
		20 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	1400 mg/m3
	TWA	600 mg/m3
Butane (CAS 106-97-8)	TWA	1800 mg/m3
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
		20 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Acetone (CAS 67-64-1)	MAC	1210 mg/m3
		500 ppm
	STEL	3620 mg/m3
		1500 ppm
Butane (CAS 106-97-8)	MAC	1450 mg/m3
		10 ppm
	STEL	1810 mg/m3
		750 ppm
Dimethyl Ether (CAS 115-10-6)	MAC	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	MAC	72 mg/m3
		20 ppm

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	2400 mg/m3
		1000 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
Acetone (CAS 67-64-1)	Ceiling	1500 mg/m3
	TWA	800 mg/m3
Dimethyl Ether (CAS 115-10-6)	Ceiling	2000 mg/m3
	TWA	1000 mg/m3
n-Hexane (CAS 110-54-3)	Ceiling	200 mg/m3
	TWA	70 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
Acetone (CAS 67-64-1)	TLV	600 mg/m3
		250 ppm
Butane (CAS 106-97-8)	TLV	1200 mg/m3
		500 ppm

Denmark. Exposure Limit Values

Components	Type	Value
Dimethyl Ether (CAS 115-10-6)	TLV	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TLV	72 mg/m3
		20 ppm
Propane (CAS 74-98-6)	TLV	1800 mg/m3
		1000 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Butane (CAS 106-97-8)	TWA	1500 mg/m3
		800 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
		20 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3
		1000 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
2,2-Dimethylbutane (CAS 75-83-2)	STEL	2300 mg/m3
		630 ppm
	TWA	1800 mg/m3
		500 ppm
2,3-Dimethylbutane (CAS 79-29-8)	STEL	2300 mg/m3
		630 ppm
	TWA	1800 mg/m3
		500 ppm
2-Methylpentane (CAS 107-83-5)	STEL	2300 mg/m3
		630 ppm
	TWA	1800 mg/m3
		500 ppm
3-Methylpentane (CAS 96-14-0)	STEL	2300 mg/m3
		630 ppm
	TWA	1800 mg/m3
		500 ppm
Acetone (CAS 67-64-1)	STEL	1500 mg/m3
		630 ppm
	TWA	1200 mg/m3
		500 ppm
Butane (CAS 106-97-8)	STEL	2400 mg/m3
		1000 ppm
	TWA	1900 mg/m3
		800 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	2000 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
		20 ppm
Propane (CAS 74-98-6)	STEL	2000 mg/m3
		1100 ppm
	TWA	1500 mg/m3
		800 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
Acetone (CAS 67-64-1)	VLE	2420 mg/m3 1000 ppm
	VME	1210 mg/m3 500 ppm
Butane (CAS 106-97-8)	VME	1900 mg/m3 800 ppm
	VME	1920 mg/m3 1000 ppm
Dimethyl Ether (CAS 115-10-6)	VME	72 mg/m3 20 ppm
	VME	

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
2,2-Dimethylbutane (CAS 75-83-2)	TWA	1800 mg/m3 500 ppm
		1800 mg/m3 500 ppm
2,3-Dimethylbutane (CAS 79-29-8)	TWA	1800 mg/m3 500 ppm
		1800 mg/m3 500 ppm
2-Methylpentane (CAS 107-83-5)	TWA	1800 mg/m3 500 ppm
		1800 mg/m3 500 ppm
3-Methylpentane (CAS 96-14-0)	TWA	1800 mg/m3 500 ppm
		1800 mg/m3 500 ppm
Acetone (CAS 67-64-1)	TWA	1200 mg/m3 500 ppm
		2400 mg/m3 1000 ppm
Butane (CAS 106-97-8)	TWA	1900 mg/m3 1000 ppm
		1900 mg/m3 1000 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1800 mg/m3 50 ppm
		1800 mg/m3 1000 ppm
n-Hexane (CAS 110-54-3)	TWA	180 mg/m3 50 ppm
		1800 mg/m3 1000 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm
		1800 mg/m3 1000 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
2,2-Dimethylbutane (CAS 75-83-2)	AGW	1800 mg/m3 500 ppm
		1800 mg/m3 500 ppm
2,3-Dimethylbutane (CAS 79-29-8)	AGW	1800 mg/m3 500 ppm
		1800 mg/m3 500 ppm
2-Methylpentane (CAS 107-83-5)	AGW	1800 mg/m3 500 ppm
		1800 mg/m3 500 ppm
3-Methylpentane (CAS 96-14-0)	AGW	1800 mg/m3 500 ppm
		1800 mg/m3 500 ppm
Acetone (CAS 67-64-1)	AGW	1200 mg/m3 500 ppm
		2400 mg/m3 1000 ppm
Butane (CAS 106-97-8)	AGW	1900 mg/m3 1000 ppm
		1900 mg/m3 1000 ppm
Dimethyl Ether (CAS 115-10-6)	AGW	1800 mg/m3 500 ppm
		1800 mg/m3 1000 ppm
n-Hexane (CAS 110-54-3)	AGW	180 mg/m3 50 ppm
		1800 mg/m3 1000 ppm
Propane (CAS 74-98-6)	AGW	1800 mg/m3 1000 ppm
		1800 mg/m3 1000 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	3560 mg/m3
	TWA	1780 mg/m3
Butane (CAS 106-97-8)	TWA	2350 mg/m3
		1000 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
		20 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3
		1000 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
	TWA	1210 mg/m3
Butane (CAS 106-97-8)	STEL	9400 mg/m3
	TWA	2350 mg/m3
Dimethyl Ether (CAS 115-10-6)	STEL	7680 mg/m3
	TWA	1920 mg/m3
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	600 mg/m3
		250 ppm
Butane (CAS 106-97-8)	TWA	1200 mg/m3
		500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1885 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TWA	90 mg/m3
		25 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3
		1000 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Butane (CAS 106-97-8)	TWA	1000 ppm
	TWA	1920 mg/m3
Dimethyl Ether (CAS 115-10-6)		1000 ppm
	TWA	72 mg/m3
n-Hexane (CAS 110-54-3)		20 ppm
	TWA	1000 ppm
Propane (CAS 74-98-6)	TWA	1000 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
2,2-Dimethylbutane (CAS 75-83-2)	STEL	1000 ppm
	TWA	500 ppm
2,3-Dimethylbutane (CAS 79-29-8)	STEL	1000 ppm
	TWA	500 ppm
2-Methylpentane (CAS 107-83-5)	STEL	1000 ppm
	TWA	500 ppm
3-Methylpentane (CAS 96-14-0)	STEL	1000 ppm
	TWA	500 ppm
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
n-Hexane (CAS 110-54-3)	TWA	1000 ppm 72 mg/m3 20 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Butane (CAS 106-97-8)	TWA	300 mg/m3
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
n-Hexane (CAS 110-54-3)	TWA	1000 ppm 72 mg/m3 20 ppm

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3 1000 ppm
	TWA	1210 mg/m3 500 ppm
Dimethyl Ether (CAS 115-10-6)	STEL	2280 mg/m3
	TWA	1500 ppm 1920 mg/m3 1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3 20 ppm

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
n-Hexane (CAS 110-54-3)	TWA	1000 ppm 72 mg/m3 20 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
n-Hexane (CAS 110-54-3)	TWA	1000 ppm 72 mg/m3 20 ppm

Netherlands. OELs (binding)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
	TWA	1210 mg/m3
Dimethyl Ether (CAS 115-10-6)	STEL	1500 mg/m3
	TWA	950 mg/m3
n-Hexane (CAS 110-54-3)	STEL	144 mg/m3
	TWA	72 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
Acetone (CAS 67-64-1)	TLV	295 mg/m3 125 ppm
Butane (CAS 106-97-8)	TLV	600 mg/m3 250 ppm
Dimethyl Ether (CAS 115-10-6)	TLV	384 mg/m3 200 ppm
n-Hexane (CAS 110-54-3)	TLV	72 mg/m3 20 ppm
Propane (CAS 74-98-6)	TLV	900 mg/m3 500 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
Acetone (CAS 67-64-1)	STEL TWA	1800 mg/m3 600 mg/m3
Butane (CAS 106-97-8)	STEL TWA	3000 mg/m3 1900 mg/m3
Dimethyl Ether (CAS 115-10-6)	TWA	1000 mg/m3
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
Propane (CAS 74-98-6)	TWA	1800 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3 1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3 20 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL TWA	750 ppm 500 ppm
n-Hexane (CAS 110-54-3)	TWA	50 ppm
Propane (CAS 74-98-6)	TWA	2500 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3 1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3 20 ppm
Propane (CAS 74-98-6)	STEL TWA	1800 mg/m3 1000 ppm 1400 mg/m3 778 ppm

Slovakia. OELs for carcinogens and mutagens. Regulation No. 46/2002 on carcinogenic and mutagenic substances

Components	Type	Value
Butane (CAS 106-97-8)	TWA	2400 mg/m3 1000 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	STEL	140 mg/m3
		40 ppm
	TWA	72 mg/m3
		20 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
2,2-Dimethylbutane (CAS 75-83-2)	TWA	720 mg/m3
		200 ppm
2,3-Dimethylbutane (CAS 79-29-8)	TWA	720 mg/m3
		200 ppm
2-Methylpentane (CAS 107-83-5)	TWA	720 mg/m3
		200 ppm
3-Methylpentane (CAS 96-14-0)	TWA	720 mg/m3
		200 ppm
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Butane (CAS 106-97-8)	TWA	2400 mg/m3
		1000 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
		20 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3
		1000 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3
		1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3
		20 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
2,2-Dimethylbutane (CAS 75-83-2)	STEL	1100 mg/m3
		300 ppm
	TWA	700 mg/m3
		200 ppm
2,3-Dimethylbutane (CAS 79-29-8)	STEL	1100 mg/m3
		300 ppm
	TWA	700 mg/m3
		200 ppm
2-Methylpentane (CAS 107-83-5)	STEL	1100 mg/m3
		300 ppm
	TWA	700 mg/m3
		200 ppm
3-Methylpentane (CAS 96-14-0)	STEL	1100 mg/m3
		300 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	700 mg/m3 200 ppm
	STEL	1200 mg/m3 500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	600 mg/m3 250 ppm
	STEL	1500 mg/m3
n-Hexane (CAS 110-54-3)	TWA	800 ppm 950 mg/m3
	STEL	500 ppm 180 mg/m3 50 ppm
	TWA	90 mg/m3 25 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
2,2-Dimethylbutane (CAS 75-83-2)	STEL	3600 mg/m3
	TWA	1000 ppm 1800 mg/m3 500 ppm
2,3-Dimethylbutane (CAS 79-29-8)	STEL	3600 mg/m3
	TWA	1000 ppm 1800 mg/m3 500 ppm
2-Methylpentane (CAS 107-83-5)	STEL	3600 mg/m3
	TWA	1000 ppm 1800 mg/m3 500 ppm
3-Methylpentane (CAS 96-14-0)	STEL	3600 mg/m3
	TWA	1000 ppm 1800 mg/m3 500 ppm
Acetone (CAS 67-64-1)	STEL	2400 mg/m3 1000 ppm
	TWA	1200 mg/m3 500 ppm
Butane (CAS 106-97-8)	STEL	7200 mg/m3 3200 ppm
	TWA	1900 mg/m3 800 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1910 mg/m3
	STEL	1000 ppm 1440 mg/m3 400 ppm
n-Hexane (CAS 110-54-3)	TWA	180 mg/m3 50 ppm
	STEL	7200 mg/m3 4000 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	3620 mg/m3 1500 ppm
	TWA	1210 mg/m3 500 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1810 mg/m3 750 ppm
	TWA	1450 mg/m3 600 ppm
Dimethyl Ether (CAS 115-10-6)	STEL	958 mg/m3 500 ppm
	TWA	766 mg/m3 400 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3 20 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dimethyl Ether (CAS 115-10-6)	TWA	1920 mg/m3 1000 ppm
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3 20 ppm

Biological limit values**France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065))**

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	100 mg/l	Acétone	Urine	*
n-Hexane (CAS 110-54-3)	5 mg/g	2,5-Hexanedione	Creatinine in urine	*

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*
n-Hexane (CAS 110-54-3)	5 mg/l	2,5-Hexandion plus 4,5-Dihydroxy-2-hexanon (nach Hydrolyse)	Urine	*

* - For sampling details, please see the source document.

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling Time
n-Hexane (CAS 110-54-3)	3,5 mg/g	hexane-2,5-dion	Creatinine in urine	*
	3,5 µmol/mmol	hexane-2,5-dion	Creatinine in urine	*

* - For sampling details, please see the source document.

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	53,36 mg/g	Acetone	Creatinine in urine	*
n-Hexane (CAS 110-54-3)	80 mg/l	Acetone	Urine	*
	3 mg/g	2,5-hexanedione and 4,5-dihydroxy-2-hexanone	Creatinine in urine	*
	5 mg/l	2,5-hexanedione and 4,5-dihydroxy-2-hexanone	Urine	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	50 mg/l	Acetona	Urine	*
n-Hexane (CAS 110-54-3)	0,4 mg/l	2,5-Hexanodio na, sin hidrólisis	Urine	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*
n-Hexane (CAS 110-54-3)	5 mg/l	2,5-Hexandion plus 4,5-Dihydroxy- 2-hexanon	Urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

- Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance**

Physical state Liquid.

Form Aerosol.

Color Not available.

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range 203,63 °F (95,35 °C) estimated

Flash point 31,2 °F (-0,5 °C) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 1,9 % estimated

Flammability limit - upper (%) 8,4 % estimated

Vapor pressure 131,3 psig @70F estimated

Vapor density Not available.

Relative density 0,518 g/cm3 estimated

Solubility(ies)

Solubility (water) Not available.

Solubility (other) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature 496,4 °F (258 °C) estimated

Decomposition temperature Not available.

Viscosity Not available.

Explosive properties Not available.

Oxidizing properties Not available.

9.2. Other information

Density 0,52 g/cm3 estimated

Heat of combustion 31,97 kJ/g estimated

Heat of combustion (NFPA 30B) 31,97 kJ/g estimated

Percent volatile 58,45 % estimated

Specific gravity 0,518 estimated

VOC (Weight %) 58,97 % estimated

SECTION 10: Stability and reactivity

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

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5. Incompatible materials Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

10.6. Hazardous decomposition products No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Symptoms May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

11.1. Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.

Components	Species	Test Results
Acetone (CAS 67-64-1)		
Acute		
<i>Dermal</i>		
LD50	Guinea pig	> 7426 mg/kg, 24 Hours

Components	Species	Test Results
		> 9,4 ml/kg, 24 Hours
	Rabbit	> 7426 mg/kg, 24 Hours
		> 9,4 ml/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	55700 ppm, 3 Hours
		132 mg/l, 3 Hours
		50,1 mg/l
<i>Oral</i>		
LD50	Rat	5800 mg/kg
		2,2 ml/kg
n-Hexane (CAS 110-54-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 4 Hours
		> 5 ml/kg, 4 Hours
<i>Inhalation</i>		
LC50	Rat	> 5000 ppm, 24 Hours
		> 31,86 mg/l
		73860 ppm, 4 Hours
<i>Oral</i>		
LD50	Rat	24 ml/kg
		24 g/kg
	Wistar rat	49 g/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.
Reproductive toxicity	Suspected of damaging fertility.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Respiratory system. Skin. Kidneys. Central nervous system. Eyes. Liver. May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.
Mixture versus substance information	No information available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Acetone (CAS 67-64-1)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna)
		21,6 - 23,9 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)
		4740 - 6330 mg/l, 96 hours

Components	Species	Test Results
n-Hexane (CAS 110-54-3)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) 2,101 - 2,981 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability No data is available on the degradability of this product.

12.3. Bioaccumulative potential No data available.

**Partition coefficient
n-octanol/water (log Kow)**

2,2-Dimethylbutane	3,82
2,3-Dimethylbutane	3,42
2-Methylpentane	3,74
3-Methylpentane	3,6
Acetone	-0,24
Dimethyl Ether	0,1
n-Hexane	3,9

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Hazard No. (ADR)	Not available.
Tunnel restriction code	Not available.
14.4. Packing group	Not applicable.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1

Subsidiary risk	-
Label(s)	2.1
14.4. Packing group	Not applicable.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
14.4. Packing group	Not applicable.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
14.4. Packing group	Not applicable.
14.5. Environmental hazards	Yes
ERG Code	10L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
Packaging Exceptions	LTD QTY

IMDG

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	None
14.4. Packing group	Not applicable.
14.5. Environmental hazards	
Marine pollutant	Yes
EmS	Not available.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

2,2-Dimethylbutane (CAS 75-83-2)

2,3-Dimethylbutane (CAS 79-29-8)
2-Methylpentane (CAS 107-83-5)
3-Methylpentane (CAS 96-14-0)
Acetone (CAS 67-64-1)
Dimethyl Ether (CAS 115-10-6)
n-Hexane (CAS 110-54-3)

Directive 94/33/EC on the protection of young people at work

n-Hexane (CAS 110-54-3)

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations Not available.

Information on evaluation method leading to the classification of mixture The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R11 Highly flammable.
R12 Extremely flammable.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapors may cause drowsiness and dizziness.
H224 Extremely flammable liquid and vapor.
H225 Highly flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Revision information Product and Company Identification: Product Uses
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
Transport Information: Material Transportation Information
Regulatory Information: United States
GHS: Classification

Training information Follow training instructions when handling this material.

Issued by Regulatory Compliance

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