

TrueClean™ OBM

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Version 1.1

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

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1.1. Product identifier

Product Code NDF00964

Product Name TrueClean™ OBM

Pure substance/mixture Mixture
 Contains Hydrocarbons, C9, aromatics

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

Recommended Use surfactant

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier

Newpark Drilling Fluids S.r.l.
 Via Salaria 1313/C
 00138 ROMA (Italy)
 For further information, please contact

Contact Point Telephone: + 39 06 8856111
 Fax: +39 06 8889363
 Website: www.newpark.com

E-mail address hse-hqit@newpark.com

1.4. Emergency telephone number

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Croatia	+385 1 7776 920 ; +385 01 2348 342 (Centar za kontrolu otrovanja, 24 sata)
Cyprus	1401
France	+(33)-975181407
Germany	0800-181-7059; +(49)- 69643508409
Hungary	+(36)-18088425
Italy	800-789-767; +(39)-0245557031 Milano 24/24 Ospedale Niguarda Ca'grande Piazza ospedale maggiore 3 +39 0266101029 Roma 24/24 Policlinico Gemelli Largo Agostino Gemelli 8

	+39 063054343
Netherlands	+(31)-858880596
Romania	+40213183606, Institutul Național de Sănătate Publică (L-V între 08.00-15.00)
Spain	900-868538; +(34)-931768545
Switzerland	145, (+41) 435082011
United Kingdom	+(44)-870-8200418

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration hazard	Category 1 - (H304)
Specific target organ toxicity (single exposure)	Category 3 - (H335,H336)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 3 - (H226)

2.2. Label elements

Contains Hydrocarbons, C9, aromatics



Signal word

Danger

Hazard statements

H304 - May be fatal if swallowed and enters airways

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H411 - Toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

EUH066 - Repeated exposure may cause skin dryness or cracking

EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P273 - Avoid release to the environment

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P331 - Do NOT induce vomiting

P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish

P391 - Collect spillage

Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public. This product is exempt from the requirement for a child resistant fastening and tactile warning of danger, as it is an aspiration hazard, placed on the market in the form of an aerosol or in a container with a sealed spray attachment.

2.3. Other hazards

Toxic to aquatic life.

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Hydrocarbons, C9, aromatics 64742-95-6	88-92	01-2119455851-35-XX XX	918-668-5	Flam. Liq. 3 (H226) STOT SE 3 (H335) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) (EUH066)	-	-	-
n-Butyl acetate 123-86-4	8-12	01-2119485493-29-XX XX	204-658-1	STOT SE 3 (H336) Flam. Liq. 3 (H226)	-	-	-

Full text of H- and EUH-phrases: see section 16Acute Toxicity Estimate

No information available

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Hydrocarbons, C9, aromatics 64742-95-6	8400	2000	No data available	No data available	No data available
n-Butyl acetate 123-86-4	10768	17600	0.74	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures**4.1. Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required.

Inhalation

Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur. Immediate medical attention is required. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate

medical attention. Clean mouth with water and drink afterwards plenty of water.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not breathe vapor or mist.

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

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

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

Note to physicians Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous combustion products Carbon monoxide.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Vapors can form explosive mixtures with air. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Do not breathe vapor or mist.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling	Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Take off contaminated clothing and wash before reuse.
General hygiene considerations	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.
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7.3. Specific end use(s)

Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
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SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
n-Butyl acetate 123-86-4	STEL: 723 mg/m ³ STEL: 150 ppm TWA: 241 mg/m ³	TWA: 50 ppm TWA: 241 mg/m ³ STEL 100 ppm	TWA: 50 ppm TWA: 238 mg/m ³ STEL: 150 ppm	STEL: 723 mg/m ³ STEL: 150 ppm TWA: 241 mg/m ³	TWA: 50 ppm TWA: 241 mg/m ³ STEL: 150 ppm

	TWA: 50 ppm	STEL 480 mg/m ³	STEL: 712 mg/m ³	TWA: 50 ppm	STEL: 723 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
n-Butyl acetate 123-86-4	STEL: 723 mg/m ³ STEL: 150 ppm TWA: 241 mg/m ³ TWA: 50 ppm	TWA: 241 mg/m ³ Ceiling: 723 mg/m ³	TWA: 50 ppm TWA: 241 mg/m ³	TWA: 100 ppm TWA: 500 mg/m ³ STEL: 150 ppm STEL: 700 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³ STEL: 150 ppm STEL: 725 mg/m ³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
n-Butyl acetate 123-86-4	TWA: 50 ppm TWA: 241 mg/m ³ STEL: 150 ppm STEL: 723 mg/m ³	TWA: 62 ppm TWA: 300 mg/m ³	TWA: 100 ppm TWA: 480 mg/m ³ Peak: 200 ppm Peak: 960 mg/m ³	TWA: 50 ppm TWA: 241 mg/m ³ STEL: 150 ppm STEL: 723 mg/m ³	TWA: 241 mg/m ³ sz+ STEL: 723 mg/m ³
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
n-Butyl acetate 123-86-4	STEL: 150 ppm STEL: 723 mg/m ³	TWA: 241 mg/m ³ TWA: 50 ppm STEL: 723 mg/m ³ STEL: 150 ppm	TWA: 50 ppm TWA: 238 mg/m ³ TWA: 266 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³ STEL: 100 ppm STEL: 532 mg/m ³	TWA: 241 mg/m ³ TWA: 50 ppm STEL: 723 mg/m ³ STEL: 150 ppm	TWA: 241 mg/m ³ TWA: 50 ppm STEL: 723 mg/m ³ STEL: 150 ppm
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
n-Butyl acetate 123-86-4	-	STEL: 150 ppm STEL: 723 mg/m ³ TWA: 50 ppm TWA: 214 mg/m ³	TWA: 241 mg/m ³ STEL: 723 mg/m ³	TWA: 241 mg/m ³ TWA: 50 ppm STEL: 723 mg/m ³ STEL: 150 ppm	STEL: 720 mg/m ³ TWA: 240 mg/m ³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
n-Butyl acetate 123-86-4	TWA: 50 ppm TWA: 241 mg/m ³ STEL: 150 ppm STEL: 723 mg/m ³	TWA: 150 ppm TWA: 715 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³	TWA: 100 ppm TWA: 500 mg/m ³ Ceiling: 700 mg/m ³	TWA: 241 mg/m ³ TWA: 50 ppm STEL: 150 ppm STEL: 723 mg/m ³	TWA: 150 ppm TWA: 724 mg/m ³ STEL: 200 ppm STEL: 965 mg/m ³
Chemical name	Sweden		Switzerland		United Kingdom
n-Butyl acetate 123-86-4	NGV: 50 ppm NGV: 241 mg/m ³ Bindande KGV: 150 ppm Bindande KGV: 723 mg/m ³		TWA: 50 ppm TWA: 240 mg/m ³ STEL: 150 ppm STEL: 720 mg/m ³		TWA: 150 ppm TWA: 724 mg/m ³ STEL: 200 ppm STEL: 966 mg/m ³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) No information available.
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Tight sealing safety goggles. Eye protection must conform to standard EN 166.

Hand protection Wear suitable gloves. Impervious gloves. Gloves must conform to standard EN 374.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots. (EN 340).

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use appropriate respiratory protection. (EN 136, EN 140, EN 141, EN 143, EN 149, EN 405).

Recommended Filter type: brown.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	liquid
Color	colorless
Odor	Characteristic.
Odor threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No information available
Upper flammability limit:		
Lower flammability limit:		
Flash point	23 °C	
Autoignition temperature		No information available
Decomposition temperature		No information available
pH		No information available
pH (as aqueous solution)		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Water solubility	Insoluble in water	
Solubility(ies)	Organic solvents	
Partition coefficient		No information available
Vapor pressure		No information available
Relative density	0.9	
Bulk density		
Liquid Density		
Vapor density		No information available
Particle characteristics		No information available
Particle Size		
Particle Size Distribution		

9.2. Other information

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not reactive under normal conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data**Sensitivity to mechanical impact** None.**Sensitivity to static discharge** Yes.**10.3. Possibility of hazardous reactions****Possibility of hazardous reactions** None under normal processing.**10.4. Conditions to avoid****Conditions to avoid** Heat, flames and sparks. Excessive heat.**10.5. Incompatible materials****Incompatible materials** Oxidizing agent. Strong acids. Strong bases.**10.6. Hazardous decomposition products****Hazardous Decomposition Products** Thermal decomposition can lead to release of irritating and toxic gases and vapors.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information**

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. Toxic by inhalation. (based on components).

Eye contact Specific test data for the substance or mixture is not available. May cause irritation.

Skin contact Repeated exposure may cause skin dryness or cracking.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness.**Numerical measures of toxicity****Acute toxicity****The following values are calculated based on chapter 3.1 of the GHS document****ATEmix (oral)** 8,588.90 mg/kg**ATEmix (dermal)** 2,196.70 mg/kg

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

90 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C9, aromatics	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h

n-Butyl acetate	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 0.74 mg/L (Rat) 4 h

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity Classification based on data available for ingredients. Contains a known or suspected mutagen. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic. May cause genetic defects.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	European Union
Hydrocarbons, C9, aromatics	Muta. 1B

Carcinogenicity Classification based on data available for ingredients. Contains a known or suspected carcinogen. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1).

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Hydrocarbons, C9, aromatics	Carc. 1B

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard May be fatal if swallowed and enters airways.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydrocarbons, C9, aromatics	-	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	-	EC50: =6.14mg/L (48h, Daphnia magna)
n-Butyl acetate	EC50: =674.7mg/L (72h, Desmodesmus subspicatus)	LC50: 17 - 19mg/L (96h, Pimephales promelas) LC50: =100mg/L (96h, Lepomis macrochirus)	EC50 = 70.0 mg/L 5 min EC50 = 82.2 mg/L 15 min EC50 = 959 mg/L 18 h EC50 = 98.9 mg/L 30 min	-

12.2. Persistence and degradability

Persistence and degradability Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
n-Butyl acetate	2.3

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment**

Chemical name	PBT and vPvB assessment
Hydrocarbons, C9, aromatics	The substance is not PBT / vPvB
n-Butyl acetate	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
Waste codes / waste designations according to EWC / AVV	Waste codes should be assigned by the user based on the application for which the product was used.
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information**IATA**

14.1 UN number or ID number	UN1993
14.2 Proper shipping name	Flammable liquid, n.o.s. (Contains Hydrocarbons, C9, aromatics)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	UN1993
14.2 Proper shipping name	Flammable liquid, n.o.s. (Contains Hydrocarbons, C9, aromatics)
14.3 Transport hazard class(es)	3
14.4 Packing Group	III
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN/ID no	UN1993
14.2 Proper shipping name	Flammable liquid, n.o.s. (Contains Hydrocarbons, C9, aromatics)
14.3 Transport hazard class(es)	3
14.4 Packing Group	III
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	UN1993
14.2 Proper shipping name	Flammable liquid, n.o.s. (Contains Hydrocarbons, C9, aromatics)
14.3 Transport hazard class(es)	3
14.4 Packing Group	III
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****France****Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
Hydrocarbons, C9, aromatics 64742-95-6	RG 84
n-Butyl acetate 123-86-4	RG 84

Germany

Water hazard class (WGK) obviously hazardous to water (WGK 2)

Italy

-D. LGs. 81/2008 (single text on the protection of health and safety in the workplace) and subsequent amendments and Directive 2009/161/EU-assessment of chemical risk under title IX

-Legislative Decree 3 April 2006, no 152 (environmental standards)

-"Seveso III Directive" – Legislative Decree of 26 June 2015, n° 105 (Implementation of the Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances)

Switzerland

Chemical name	Switzerland - Volatile Organic Compounds (VOCs) - Group I	Switzerland - Volatile Organic Compounds (VOCs) - Group II
n-Butyl acetate - 123-86-4	2915.3300	

European Union

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

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Hydrocarbons, C9, aromatics - 64742-95-6	28. 29. 75.	-

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

H2 - ACUTE TOXIC

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Hydrocarbons, C9, aromatics - 64742-95-6	-	25000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
NZIoC	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report

With reference to the components mentioned in Section 3, a chemical risk assessment was performed which is available consulting the REACH registration on the ECHA database.

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

EUH066 - Repeated exposure may cause skin dryness or cracking
H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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End of Safety Data Sheet