# Safety Data Sheet Videojet<sup>®</sup> Ink V471-D



Page	: 1/11
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### **1.1 Product identifier**

Product name	:	V471-D
CAS number	:	Not applicable.

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

Material uses : Industrial applications: Ink for use in a continuous ink jet process.

#### 1.3 Details of the supplier of the safety data sheet

Website: www.videojet.com Email: FluidsSupport@videojet.com

Videojet Technologies Inc., 1500 Mittel Boulevard, Wood Dale, IL, 60191-1073 U.S.A Tel: 1-800-843-3610 Fax: 1-800-582-1343

#### 1.4 Emergency telephone number

Transporters

Medical

 3E: (US) +1 866 519 4752 3E Code: 334466
 CHEMTREC: (US) +1 800 424 9300 CHEMTREC Code: CCN 23846

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### **GHS Classification**

1) FLAMMABLE LIQUIDS - Categor 2) EYE IRRITATION - Category 2A 3) SPECIFIC TARGET ORGAN TOX (Narcotic effects) - Category 3	•	Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.
Ingredients of unknown toxicity	: Percentage of the mixtu	ure consisting of ingredient(s) of unknown acute toxicity: 0%.
Ingredients of unknown ecotoxicity	: Percentage of the mixtu aquatic environment: 0	ure consisting of ingredient(s) of unknown hazards to the %.

#### 2.2 Label elements

#### **GHS label elements**



Danger. Highly flammable liquid and vapor. Causes serious eye irritation. Causes mild skin irritation. May cause drowsiness or dizziness. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hazardous ingredients : 1) butanone

#### 2.3 Other hazards

- Other hazards which do not result in classification
- Additional guidance

: Avoid breathing vapor. Wear eye or face protection. IF INHALED: Call a POISON CENTER or physician if you feel unwell. If eye irritation persists: Get medical attention. Keep container tightly closed. Store in a well-ventilated place.

# **SECTION 3: Composition/information on ingredients**

: None known.

Product/ingredient name	CAS #	%	<b>GHS Classification</b>
17 butanone	78-93-3	40 - <50	FLAMMABLE LIQUIDS - Category 2
2) ethanol	64-17-5	13 - <20	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 FLAMMABLE LIQUIDS - Category 2
) 2-methoxy-1-methylethyl acetate	108-65-6	3 - <7	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B FLAMMABLE LIQUIDS - Category 3
4) xylene	1330-20-7	1 - <3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 FLAMMABLE LIQUIDS - Category 3
	1330-20-7	1- 5	ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2
5) tetrabutylammonium bromide	1643-19-2	1 - <3	SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A AQUATIC HAZARD (LONG-TERM) - Category 3

Occupational exposure limits, if available, are listed in Section 8.

# **SECTION 4: First aid measures**

# 4.1 Description of first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Potential acute health effects	
Eye contact	Causes serious eye irritation.
Inhalation	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	No known significant effects or critical hazards.
Ingestion	Can cause central nervous system (CNS) depression.

#### **Over-exposure signs/symptoms**

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: No specific data.
Ingestion	: No specific data.

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

Treat symptomatically. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

# **SECTION 5: Firefighting measures**

5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising f	om the substance or mixture
Hazards from the substance or mixture	: Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures For non-emergency personnel No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### 6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### 6.3 Methods and materials for containment and cleaning up

Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

#### 6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## **SECTION 7: Handling and storage**

7.1 Precautions for safe hand	dling
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## **SECTION 8: Exposure controls/personal protection**

8.1 Control parameters Occupational exposure limits

Product/ingredient name	Exposure limit values	
₩ butanone	OSHA PEL 1989 (United States, 3/1989). TWA: 200 ppm 8 hours. TWA: 590 mg/m <sup>3</sup> 8 hours. STEL: 300 ppm 15 minutes. STEL: 885 mg/m <sup>3</sup> 15 minutes. OSHA PEL (United States, 5/2018). TWA: 200 ppm 8 hours.	
2) ethanol	TWA: 590 mg/m <sup>3</sup> 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 1000 ppm 8 hours. TWA: 1900 mg/m <sup>3</sup> 8 hours. <b>OSHA PEL (United States, 5/2018).</b> TWA: 1000 ppm 8 hours.	
3) 2-methoxy-1-methylethyl acetate 4) xylene	TWA: 1900 mg/m <sup>3</sup> 8 hours. None. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 100 ppm 8 hours. TWA: 435 mg/m <sup>3</sup> 8 hours. STEL: 150 ppm 15 minutes. STEL: 655 mg/m <sup>3</sup> 15 minutes. <b>OSHA PEL (United States, 5/2018).</b> TWA: 100 ppm 8 hours. TWA: 435 mg/m <sup>3</sup> 8 hours.	
5) tetrabutylammonium bromide	None.	
Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.	
8.2 Exposure controls		
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.	
Hand protection	: Recommended: EN374 B, EN374 A May be used (Short term exposure): Latex gloves. Nitrile gloves. Use gloves only once. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.	
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: organic vapor filter (Type A) Additional information: In situations where misting or flying may occur, use appropriate certified respirators. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary.	

# Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

# **SECTION 9: Physical and chemical properties**

9.1 Information on basic phys	sic	al and chemical properties
Appearance		
Physical state	1	Liquid.
Color	1	Red. [Dark]
Odor	1	Not available.
Odor threshold	:	Ħ́ighest known value: 100 ppm. Weighted average: 35 ppm.
рН	:	Not applicable.
Melting point/freezing point	:	May start to solidify at the following temperature: 0 °C. Weighted average: -88 °C.
Initial boiling point and boiling range	:	78 °C.
Flash point	:	-9 °C.
Evaporation rate (butyl acetate = 1)	:	ighest known value: 7.1. Weighted average: 4.8.
Flammability (solid, gas)	:	Not applicable. ( Liquid )
Upper/lower flammability or explosive limits	1	Lowest known value: 2.0%. Highest known value: 10.7%.
Vapor pressure	:	Ħ́ghest known value: 78 mm Hg at 20°C. Weighted average: 58 mm Hg at 20°C.
Vapor density	:	kowest known value: <0.6. Highest known value: >1.6. (Air = 1)
Relative density (Water = 1)	:	0.86
Solubility(ies)	;	Not available.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	:	360 °C.
Decomposition temperature	:	Thermally stable.
Viscosity	4	Not available.
Explosive properties		Not applicable. Not classified.
Oxidizing properties	:	Not applicable. Not classified.
9.2 Other information		
Volatility (w/w)		76 %.
VOC Volatility (w/w)	:	73 %.

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

#### 10.2 Chemical stability

The product is stable.

#### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

#### **10.4 Conditions to avoid**

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

## **10.5 Incompatible materials**

Reactive or incompatible with the following materials: oxidizing materials

#### **10.6 Hazardous decomposition products**

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

# **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
<b>b</b> útanone	LC50 Inhalation Vapor	Rat	23.5 mg/l	8 hours
r	LD50 Dermal	Rabbit - Male	>8000 mg/kg	-
	LD50 Oral	Rat	3460 mg/kg	-
ethanol	LC50 Inhalation Vapor	Rat	>117 mg/l	4 hours
	LD50 Dermal	Rabbit	>15800 mg/kg	-
	LD50 Oral	Rat	10470 mg/kg	-
2-methoxy-1-methylethyl acetate	LCLo Inhalation Vapor	Rat	>4345 ppm	6 hours
	LD50 Oral	Rat	6190 mg/kg	-
	LDLo Dermal	Rabbit	>5000 mg/kg	-
xylene	LC50 Inhalation Vapor	Rat	29 mg/l	4 hours
	LD50 Oral	Rat	>3523 mg/kg	-
	LDLo Dermal	Rabbit	4200 mg/kg	-
tetrabutylammonium bromide	LD50 Oral	Rat	500 mg/kg	-

**Conclusion/Summary** : Not classified. No known significant effects or critical hazards.

#### Acute toxicity estimates

Route	ATE value
Permal	43318 mg/kg
Inhalation (vapors)	433.18 mg/l

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>₽t</b> hanol	Skin - Primary dermal irritation index (PDII)	Rabbit	0	4 hours	14 days
	Eyes - Irritant	Rabbit	-	-	21 days

#### **Conclusion/Summary**

Skin

: Causes mild skin irritation.

- Eyes
- : Causes serious eye irritation.

- Respiratory : Not classified. No known significant effects or critical hazards.

#### Sensitization

Product/ingredient name	Route of exposure	Species	Result
putanone ethanol	skin	Guinea pig Mouse Rat	Not sensitizing Not sensitizing Not sensitizing

#### **Conclusion/Summary**

: Not classified. No known significant effects or critical hazards.

Respiratory

Skin

: Not classified. No known significant effects or critical hazards.

**Mutagenicity** 

Product/ingredient name	Test	Experiment	Result		
ethanol	OECD 474	Experiment: In vivo Subject: Mammalian-Animal	Negative		
	OECD 474	Experiment: In vivo Subject: Mammalian-Animal	Negative		
<b>Conclusion/Summary</b> : Not classified. No known significant effects or critical hazards.					
<u>Carcinogenicity</u>					
Conclusion/Summary : 1	Not classified. No known sigi	nificant effects or critical hazards.			
Reproductive toxicity					

**Conclusion/Summary** : Not classified. No known significant effects or critical hazards.

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
butanone	Category 3	-	Narcotic effects
2-methoxy-1-methylethyl acetate	Category 3	-	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Not classified. No known significant effects or	critical hazards.		

#### Aspiration hazard

**Conclusion/Summary** : Not classified. No known significant effects or critical hazards.

#### Potential chronic health effects, Other

Product/ingredient name	Result	Species	Dose	Exposure	
ethanol	Sub-chronic NOAEL Oral	Rat	1730 mg/kg	90 days	
Conclusion/Summary	: No known significant effects or critical hazards.				

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
putanone	Acute EC50 2029 mg/l Fresh water	Algae - Pseudokirchnerella subcapitata	96 hours
	Acute EC50 308 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 2993 mg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1240 mg/l Fresh water	Algae - Pseudokirchnerella subcapitata	96 hours
ethanol	Acute EC50 275 mg/l Fresh water	Algae - Chlorella vulgaris	72 hours
	Acute LC50 5012 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	Acute LC50 11200 mg/l Fresh water	Fish - oncorhynchus mykiss	24 hours
	Chronic EC10 11.5 mg/l Fresh water	Algae - Chlorella vulgaris	72 hours
	Chronic NOEC 79 mg/l Marine water	Crustaceans - Palaemonetes pugio	12 days
	Chronic NOEC 9.6 mg/l	Daphnia - daphnia magna	10 days
	Chronic NOEC 250 mg/l Fresh water	Fish - Danio rerio - Embryo	120 hours
xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas - 31 days - 18.4 mm - 0.077 g	96 hours
	Chronic NOEC >1.3 mg/l Fresh water	Fish - Oncorhynchus mykiss	56 days
tetrabutylammonium bromide	Acute EC50 300.84 mg/l Fresh water	Algae - Pseudokirchnerella subcapitata	48 hours
	Acute LC50 >2000 mg/l Fresh water	Crustaceans - Echinogammarus tibaldii	24 hours
	Acute LC50 >100 mg/l Fresh water	Fish - Poecilia reticulata	96 hours

#### 12.2 Persistence and degradability

Product/ingredient name	Test	Resu	ult	Dos	е	Inoculum
Not available.						
Product/ingredient name	Aquatic half-li	fe	Photolys	is	Bi	odegradability
odtanone ethanol 2-methoxy-1-methylethyl acetate xylene tetrabutylammonium bromide	- - - - -	- - - - -			Readily Readily Readily Readily Readily	

#### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
butanone	0.3	-	low
ethanol	-0.35	-	low
2-methoxy-1-methylethyl acetate	1.2	-	low
xylene	3.12	8.1 to 25.9	low

Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

#### 12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	Р	В	т	vPvB	vP	vB
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.							

#### 12.6 Other adverse effects

No known significant effects or critical hazards.

# **SECTION 13: Disposal considerations**

13	1 \	Naste	treatment	methods
		<b>u</b> sic	ucaunoni	methous

Product	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: None.

# **SECTION 14: Transport information**

	-					
	UN	IMDG	ΙΑΤΑ	US DOT		
14.1 UN number	UN1210	UN1210	UN1210	UN1210		
14.2 UN proper shipping name	Printing Ink	Printing Ink	Printing Ink	Printing Ink		
14.3 Transport hazard class(es)	3	3	3	3		
14.4 Packing group	11	П	П	П		
14.5 Environmental hazards	No.	No.	No.	No.		
Additional information	-	-	hazardous substance mark may appear if required by other transportation regulations.	-		

#### 14.6 Special precautions for user

No special measures required.

#### 14.7 Transport in bulk according to IMO instruments

Not available.

ECTION 15: Regulatory information					
CERCLA: Hazardous substances.	:	(2-hydr -2-napl	The following components are listed: butanone (40 - <50%); hydrogen [1-[ (2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo] -2-naphtholato(2-)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1) (2 - <5%); xylene (1 - <3%); ethylbenzene (<0.3%)		
SARA 313	:	-2-napl compo	The following components are listed: hydrogen [1-[(2-hydroxy-4-nitrophenyl)azo] -2-naphtholato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphtholato(2-)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1) (2 - <5%); xylene (1 - <3%); ethylbenzene (<0.3%)		
California Prop. 65	:	This product contains a chemical or chemicals known to the state of California to cause cancer. The following components are listed: ethylbenzene ( $<0.3\%$ ).			
National Fire Protection Association (U.S.A.)	:	Health Health Special hazard			
Tariff Code - harmonized system	:	3215.1 USA EU1			
Heavy Metals	:	Total concentration: Pb, Hg, Cd, Cr(VI) < 100 ppm			
California, VOC Content	: 😼 3 grams volatile organic / liter less water or exempt volatile.				
Chemical Weapons Convention	Lis	t	Chemical Weapons Convention List	Chemical Weapons Convention List	

Chemical Weapons Convention List Schedule I Chemicals	•	Chemical Weapons Convention List Schedule III Chemicals	
Not listed	Not listed	Not listed	

# **SECTION 16: Other information**

<b>Revision comments</b>	: 🔽 Indicates information that has changed from previously issued version.
Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations</li> </ul>

#### Procedure used to derive the classification

Classification	Justification
EYE IRRITATION - Category 2A	On basis of test data Calculation method Calculation method

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.