

Version 1.0	MSDS Number: H52521	Revision Date: 13.05.2015
SECTION 1: Identification o	f the substance/mixture and o	f the company/undertaking
1.1 Product identifier		
Trade name	: DICROM DP-803	
1.2 Relevant identified uses of	the substance or mixture and us	es advised against
Use of the Sub- stance/Mixture	: Solvent-borne coatings, Bas	e coating
Recommended restrictions on use	: For use in industrial installat only.	ions or professional treatment
1.3 Details of the supplier of the	ne safety data sheet	
Company	: Roberlo s.a. Ctra. Nacional II, Km. 706,5 17457 Riudellots de la Selva Spain	a
Telephone	: +34972478060	
Telefax	: +34972477394	
E-mail address of person responsible for the SDS	: msds@roberlo.com	

1.4 Emergency telephone number

+34 972 478060 (8:00-12:45 / 14:15-17:30 h) ROBERLO (Spain) (GMT + 1:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 127 Flammable liquids, Category 3	72/2008) H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage/eye irritation, Cate- gory 1	H318: Causes serious eye damage.
Specific target organ toxicity - repeated exposure, Category 3	H336: May cause drowsiness or dizziness.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.



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Classification (67/54	48/EEC, 1999/45/EC)	
Flammable	R10: Flammable.	
Irritant	R38: Irritating to s	skin.
	R41: Risk of seric	ous damage to eyes.
	R67: Vapours ma ness.	y cause drowsiness and dizzi-
		to aquatic organisms, may cause e effects in the aquatic environ-

ment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :		
Signal word :	Danger	
Hazard statements :	H226 H315 H318 H336 H412	Flammable liquid and vapour. Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting ef- fects.
Precautionary statements :	Prevention: P264 P280 P284	Wash hands thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. In case of inadequate ventilation wear res- piratory protection.
	Response: P303 + P361 + P3	353 IF ON SKIN (or hair): Take off immedi- ately all contaminated clothing. Rinse skin with water/shower.
	P352 P305 + P351 + P3	Wash with plenty of water.
	Disposal: P273 P501a	Avoid release to the environment. This material and its container must be disposed of in a safe way.



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Hazardous components which must be listed on the label: butan-1-ol

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Paint

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
n-butyl acetate	123-86-4 204-658-1 01- 2119485493-29	R10 R66 R67	Flam. Liq.3; H226 STOT SE3; H336	>= 30 - < 50
butan-1-ol	71-36-3 200-751-6 01- 2119484630-38	R10 Xn; R22 Xi; R37/38-R41 R67	Flam. Liq.3; H226 Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 STOT SE3; H335, H336	>= 5 - < 10
xylene (mixture of iso- mers)	1330-20-7 215-535-7 01- 2119488216-32	R10 Xn; R20/21 Xi; R38	Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 STOT RE2; H373 Asp. Tox.1; H304	>= 5 - < 10
Solvent naphtha (petro- leum), light arom.	64742-95-6 265-199-0 01- 2119455851-35	Xn; R65 Xi; R37 N; R51/53 R10 R66 R67	Flam. Liq.3; H226 Asp. Tox.1; H304 STOT SE3; H335, H336 Aquatic Chronic2; H411	>= 2.5 - < 10
ethylbenzene	100-41-4 202-849-4	F; R11 Xn; R20	Flam. Liq.2; H225 Acute Tox.4; H332 STOT RE2; H373 Asp. Tox.1; H304	>= 1 - < 10

For explanation of abbreviations see section 16.



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SECTION 4: First aid measures

4.1 Description of first aid meas	ures
General advice	: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	: Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	 Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
4.2 Most important symptoms an None known.	nd effects, both acute and delayed
4.3 Indication of any immediate	medical attention and special treatment needed
Treatment	: No information available.
SECTION 5: Firefighting mean	sures
5.1 Extinguishing media Suitable extinguishing media	: Alcohol-resistant foam Dry chemical

5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod- : No hazardous combustion products are known ucts

5.3 Advice for firefighters

Special protective equipment	: In the event of fire, wear self-contained breathing apparatus.
for firefighters	

Further information : Collect contaminated fire extinguishing water separately. This



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	must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored sepa rately in closed containments.	
SECTION 6: Accidental relea	se measures	
6.1 Personal precautions, prote	ctive equipment and emergency	/ procedures
Personal precautions	: Use personal protective equ Ensure adequate ventilation	•
6.2 Environmental precautions		
Environmental precautions	: Try to prevent the material fr courses.	-
	If the product contaminates respective authorities.	rivers and lakes or drains inform
6.3 Methods and material for co	ontainment and cleaning up	
Methods for cleaning up	: Soak up with inert absorbent acid binder, universal binder Keep in suitable, closed con	, sawdust).

6.4 Reference to other sections

For contact information in case of emergency, see section 1. For information on safe handling, see section 7. For exposure controls and personal protection measures, see section 8. For subsequent waste disposal, follow the recommendations in section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	 Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	: Avoid formation of aerosol. Keep away from sources of igni- tion - No smoking. Take measures to prevent the build up of electrostatic charge.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.



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7.2 Conditions for safe storage	, including any incompatibilities	
Requirements for storage areas and containers	: No smoking. Keep container ventilated place.	tightly closed in a dry and well-
Storage period	: 18 Months	
Other data	: No decomposition if stored a	nd applied as directed.
7.3 Specific end use(s)		
Specific use(s)	: For the use of this product do dations apart from that alread	o not exist particular recommen- dy indicated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
n-butyl acetate	123-86-4	TWA	150 ppm 724 mg/m3	GB EH40
n-butyl acetate	123-86-4	STEL	200 ppm 966 mg/m3	GB EH40
butan-1-ol	71-36-3	STEL	50 ppm 154 mg/m3	GB EH40
Further information			e assigned substances are t sorption will lead to systemic	
xylene (mixture of isomers)	1330-20-7	TWA	50 ppm 220 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
xylene (mixture of isomers)	1330-20-7	STEL	100 ppm 441 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
xylene (mixture of isomers)	1330-20-7	TWA	50 ppm 221 mg/m3	2000/39/EC
Further information	Identifies the	possibility of signification	ant uptake through the skin, I	ndicative
xylene (mixture of isomers)	1330-20-7	STEL	100 ppm 442 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
mica	12001-26-2	TWA (Inhalable)	10 mg/m3	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
mica	12001-26-2	TWA	0.8 mg/m3	GB EH40

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



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		(Respirable)		
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
ethylbenzene	100-41-4	TWA	100 ppm 442 mg/m3	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
ethylbenzene	100-41-4	STEL	200 ppm 884 mg/m3	2000/39/EC
Further information	Identifies the	Identifies the possibility of significant uptake through the skin, Indicative		
ethylbenzene	100-41-4	TWA	100 ppm 441 mg/m3	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
ethylbenzene	100-41-4	STEL	125 ppm 552 mg/m3	GB EH40
Further information			e assigned substances are t sorption will lead to systemic	

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

n-butyl acetate	: End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 480 mg/m3
butan-1-ol	 End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 310 mg/m3
xylene	 End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 77 mg/m3
Low boiling point naphtha - unspecified	 End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 608 mg/m3
ethylbenzene	: End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 77 mg/m3

8.2 Exposure controls

•	
Personal protective equ	uipment
Eye protection	: Eye wash bottle with pure water Tightly fitting safety goggles
Hand protection	
Remarks	: Solvent-resistant gloves The selected protective gloves have
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		of EU Directive 89/686/EEC and I from it. Before removing gloves ater.
Skin and body protection	: impervious clothing Choose body protection acco tration of the dangerous sub-	ording to the amount and concen- stance at the work place.
Respiratory protection	: In the case of vapour formati proved filter.	ion use a respirator with an ap-

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid, viscous
Colour	: gold
Odour	: characteristic
Melting point/range	: Not applicable
Boiling point/boiling range	: not determined
Flash point	: 29 °C Method: ISO 1523, closed cup Setaflash
Upper explosion limit	: not determined
Lower explosion limit	: not determined
Vapour pressure	: not determined
Density	: 0.975 g/cm3 (20 °C) Method: ISO 2811-1
Solubility(ies) Water solubility	: not determined
Viscosity Viscosity, dynamic	: 168 mPa.s (20 °C) Method: ISO 2555
Viscosity, kinematic	: > 20.5 mm2/s (40 °C)



DICROM DP-803 Version 1.0 MSDS Number: H52521 Revision Date: 13.05.2015 9.2 Other information No data available **SECTION 10: Stability and reactivity 10.1 Reactivity** Stable under recommended storage conditions. **10.2 Chemical stability** No decomposition if stored and applied as directed. 10.3 Possibility of hazardous reactions Hazardous reactions : No decomposition if used as directed. Vapours may form explosive mixture with air. 10.4 Conditions to avoid Conditions to avoid : Heat, flames and sparks. **10.5 Incompatible materials** Materials to avoid : Oxidizing agents Strong acids and strong bases **10.6 Hazardous decomposition products** Hazardous decomposition : Nitrogen oxides (NOx) products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	
Product:	
Acute oral toxicity	: Acute toxicity estimate : > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate : > 20 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Components:	
n-butyl acetate:	
Acute oral toxicity	: LD50 Oral (Rat): 10,768 mg/kg Method: OECD Test Guideline 401



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Acute inhalation toxicity	Ex	50 (Rat): 23.4 mg/l posure time: 4 h thod: OECD Test Guideline 403	
Acute dermal toxicity		50 (Rabbit): 17,600 mg/kg thod: OECD Test Guideline 402	
butan-1-ol: Acute oral toxicity		50 Oral (Rat): 790 mg/kg thod: OECD Test Guideline 401	
Acute inhalation toxicity	Ex	50 (Rat): 24.6 mg/l posure time: 4 h thod: OECD Test Guideline 403	
Acute dermal toxicity		50 (Rabbit): 3,430 mg/kg thod: OECD Test Guideline 402	
xylene (mixture of isomers): Acute oral toxicity		50 Oral (Rat): 4,300 mg/kg thod: OECD Test Guideline 401	
Acute inhalation toxicity	Ex	50 (Rat): 22.08 mg/l posure time: 4 h thod: OECD Test Guideline 403	
Acute dermal toxicity		ute toxicity estimate : 1,100 mg/l thod: Converted acute toxicity p	
Solvent naphtha (petroleum) Acute oral toxicity	: LD	arom.: 50 Oral (Rat): 3,592 mg/kg thod: OECD Test Guideline 401	
Acute inhalation toxicity		50 (Rat): > 20 mg/l posure time: 4 h	
Acute dermal toxicity		50 (Rabbit): 3,160 mg/kg thod: OECD Test Guideline 402	
ethylbenzene: Acute oral toxicity		50 Oral (Rat): 3,500 mg/kg thod: OECD Test Guideline 401	
Acute inhalation toxicity	Ex	50 (Rat): 17.4 mg/l posure time: 4 h thod: OECD Test Guideline 403	
Acute dermal toxicity		50 (Rabbit): 15,400 mg/kg thod: OECD Test Guideline 402	



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Skin corrosion/irritation

Product:

Result: Skin irritation

Serious eye damage/eye irritation

Product:

Remarks: Causes serious eye damage.

Respiratory or skin sensitisation

Product:

Remarks: Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Product:

Germ cell mutagenicity- As- : Based on available data, the classification criteria are not met. sessment

Carcinogenicity

Product:

Carcinogenicity - Assess- : Based on available data, the classification criteria are not met. ment

Reproductive toxicity

Product:

Reproductive toxicity - As- : Based on available data, the classification criteria are not met. sessment

STOT - single exposure

Product:

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure

Product:

Remarks: Based on available data, the classification criteria are not met.

Aspiration toxicity

Product:

Based on available data, the classification criteria are not met.



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Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

<u>Components:</u> n-butyl acetate:		
Toxicity to fish	:	LC50 (Fish): 18 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 32 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae	:	EC50 (Algae): 675 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
butan-1-ol:		
Toxicity to fish	:	LC50 (Fish): 1,376 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 1,328 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae	:	EC50 (Algae): 500 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
xylene (mixture of isomers):		
Toxicity to fish	:	LC50 (Fish): 14 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 16 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Solvent naphtha (petroleum)	, li	ght arom.:
Toxicity to fish	:	LC50 (Fish): 9.2 mg/l Exposure time: 96 h



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	Method: OECD Test Guideline 203	3
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia (water flea)): 3.2 n Exposure time: 48 h Method: OECD Test Guideline 202	
Toxicity to algae	: EC50 (Algae): 2.9 mg/l Exposure time: 72 h Method: OECD Test Guideline 207	1
ethylbenzene:		
Toxicity to fish	: LC50 (Fish): 12 mg/l Exposure time: 96 h Method: OECD Test Guideline 203	3
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia (water flea)): 1.8 n Exposure time: 48 h Method: OECD Test Guideline 202	
Toxicity to algae	: EC50 (Algae): 33 mg/l Exposure time: 72 h Method: OECD Test Guideline 207	1
12.2 Persistence and degradabil i No data available	ity	
12.3 Bioaccumulative potential No data available		
12.4 Mobility in soil No data available		
12.5 Results of PBT and vPvB as	sessment	
Product:		
Assessment	 This substance/mixture contains n to be either persistent, bioaccumu very persistent and very bioaccum 0.1% or higher. 	ative and toxic (PBT), or
12.6 Other adverse effects		
Product:		
Additional ecological infor- mation	: An environmental hazard cannot b unprofessional handling or dispose ganisms, may cause long-term ad environment.	al., Harmful to aquatic or-

SECTION 13: Disposal considerations

13.1 Waste treatment methods



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Product	cal or used container.	llowed to enter drains, water vaterways or ditches with chemi- able solutions to a licensed dis-
Contaminated packaging	: Empty remaining contents. Dispose of as unused produc Do not re-use empty contain Do not burn, or use a cutting	ers.

SECTION 14: Transport information

14.1 UN number

ADR	: UN 1263
IMDG	: UN 1263
ΙΑΤΑ	: UN 1263
14.2 UN proper shipping name	
ADR	: PAINT
IMDG	: PAINT
ΙΑΤΑ	: Paint
14.3 Transport hazard class(es)	
ADR	: 3
IMDG	: 3
ΙΑΤΑ	: 3
14.4 Packing group	
ADR Packing group Classification Code Hazard Identification Number Labels	: III : F1 : 33 : 3
IMDG Packing group Labels EmS Code	: III : 3 : F-E, <u>S-E</u>
IATA Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	: 366 : Y344 : III : Flammable Liquids



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14.5 Environmental hazards		
ADR Environmentally hazardous	: no	
IMDG Marine pollutant	: no	
14.6 Special precautions for use Not applicable	er	
14.7 Transport in bulk according	g to Annex II of MARPOL 73/78 a	and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P5c	FLAMMABLE LIQUIDS	Quantity 1 5,000 t	Quantity 2 50,000 t	
34	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (includ- ing diesel fuels, home heating oils and gas oil blending streams)	2,500 t	25,000 t	
Other regulations	•	: The product is classified and labelled in accordance with E directives or respective national laws.		

15.2 Chemical Safety Assessment

Not applicable

SECTION 16: Other information

Full text of R-Phrases

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R37	Irritating to respiratory system.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.



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R66	Repeated exposure may cause skin dr	vness or cracking.	
R67		Vapours may cause drowsiness and dizziness.	
Full text of H-Statements			
H225	Highly flammable liquid and vapour.		
H226	Flammable liquid and vapour.		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters a	irways.	
H312	Harmful in contact with skin.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H332	Harmful if inhaled.		
H335	May cause respiratory irritation.		
H336	May cause drowsiness or dizziness.		
H373	May cause damage to organs through if inhaled.	prolonged or repeated exposure	
H411	Toxic to aquatic life with long lasting ef	ifects.	

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.