



Safety Data Sheet

S53 MAGENTA

Safety Data Sheet dated 16/09/2002 version 6.2 dated 22/3/2016

This safety data sheet has been completely updated in compliance to Regulation 2015/830.

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

1.1. Product identifier

Mixture identification:

Trade name:

INDURA - UNIVERSAL MAGENTA COLOURANT

Trade code:

S53

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

1.3. Details of the supplier of the safety data sheet

Seller: Capella Solutions Group. Second Avenue, Chatham, Kent ME4 5AU

Tel. +44 (0)1634 823907 - Fax +44 (0)1634 823909

Competent person responsible for the safety data sheet: salescapellasolutionsgroup.com

1.4. Emergency telephone number Tel: +44(0) 1634 823900 (08.00 / 17.00)

UK: NPIS National Poisons Information Centre Tel: +44 0344 892 0111

IRL: Beaumont Hospital - National Poisons Information Centre: Tel: +353 1 8092566

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.
- ⚠ Warning, STOT SE 3, May cause respiratory irritation.
- ⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
- ⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

Safety Data Sheet

S53 MAGENTA

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

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/face protection.

P312 Call a POISON CENTER/ doctor/if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P370+P378 In case of fire, use a foam fire extinguisher to extinguish.

Special Provisions:

None

Contents:

Xylene [Reaction mass of ethylbenzene and m-xylene and p-xylene] (Benzene < 0,01%)

n-butyl acetate

xylene

Hydrocarbons, C9, aromatics

2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate, compd. with polyethylene glycol hydrogen maleate C9-11-alkyl ethers: May produce an allergic reaction.

2-butanone oxime; ethyl methyl ketoxime: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 20% - < 25% Xylene [Reaction mass of ethylbenzene and m-xylene and p-xylene] (Benzene < 0,01%)

REACH No.: 01-2119555267-33, EC: 905-562-9

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H335

⚠ 3.9/2 STOT RE 2 H373

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.1/4/Dermal Acute Tox. 4 H312

⚠ 3.1/4/Inhal Acute Tox. 4 H332

>= 20% - < 25% n-butyl acetate

REACH No.: 01-2119485493-29, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.8/3 STOT SE 3 H336

EUH066

>= 7% - < 10% 2-methoxy-1-methylethyl acetate

REACH No.: 01-2119475791-29, Index number: 607-195-00-7, CAS: 108-65-6, EC: 203-603-9

⚠ 2.6/3 Flam. Liq. 3 H226

>= 5% - < 7% xylene

REACH No.: 01-2119488216-32, Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.3/2 Eye Irrit. 2 H319

Safety Data Sheet

S53 MAGENTA

- ⚠ 3.8/3 STOT SE 3 H335
- ⚠ 3.9/2 STOT RE 2 H373
- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.1/4/Dermal Acute Tox. 4 H312
- ⚠ 3.1/4/Inhal Acute Tox. 4 H332

>= 3% - < 5% Hydrocarbons, C9, aromatics
REACH No.: 01-2119455851-35, EC: 918-668-5
⚠ 2.6/3 Flam. Liq. 3 H226
⚠ 3.8/3 STOT SE 3 H335
⚠ 3.10/1 Asp. Tox. 1 H304
⚠ 3.8/3 STOT SE 3 H336
⚠ 4.1/C2 Aquatic Chronic 2 H411
EUH066

>= 3% - < 5% 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate, compd. with polyethylene glycol hydrogen maleate C9-11-alkyl ethers
CAS: 1259547-09-5
⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

>= 0.5% - < 1% 2-butanone oxime; ethyl methyl ketoxime
REACH No.: 01-2119539477-28, Index number: 616-014-00-0, CAS: 96-29-7, EC: 202-496-6
⚠ 3.6/2 Carc. 2 H351
⚠ 3.3/1 Eye Dam. 1 H318
⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317
⚠ 3.1/4/Dermal Acute Tox. 4 H312

The full text of H-phrases is shown in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

Safety Data Sheet

S53 MAGENTA

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Suitable extinguishing media:
 - Use a foam fire extinguisher for extinction. - Never use water
 - Extinguishing media which must not be used for safety reasons:
 - None in particular.
 - 5.2. Special hazards arising from the substance or mixture
 - Do not inhale explosion and combustion gases.
 - Burning produces heavy smoke.
 - 5.3. Advice for firefighters
 - Use suitable breathing apparatus .
 - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 - Move undamaged containers from immediate hazard area if it can be done safely.
-

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove all sources of ignition.
 - Wear breathing apparatus if exposed to vapours/dusts/aerosols.
 - Provide adequate ventilation.
 - Use appropriate respiratory protection.
 - See protective measures under point 7 and 8.
 - 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
 - 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
 - 6.4. Reference to other sections
 - See also section 8 and 13
-

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Use localized ventilation system.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
 - 7.2. Conditions for safe storage, including any incompatibilities
 - Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
 - 7.3. Specific end use(s)
 - None in particular
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Safety Data Sheet

S53 MAGENTA

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Xylene [Reaction mass of ethylbenzene and m-xylene and p-xylene] (Benzene < 0,01%)
EU - LTE(8h): 221 mg/m³, 50 ppm - STE: 442 mg/m³, 100 ppm - Notes: Bold-type:
Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational
Exposure [4] (for references see bibliography)
ACGIH - LTE(8h): 100 ppm - STE: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS
impair

n-butyl acetate - CAS: 123-86-4

ACGIH - LTE(8h): 713 mg/m³, 150 ppm - STE: 950 mg/m³, 200 ppm - Notes: Eye and
URT irr

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

EU - LTE(8h): 275 mg/m³, 50 ppm - STE: 550 mg/m³, 100 ppm - Notes: Indicative
Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4]
(for references see bibliography)

xylene - CAS: 1330-20-7

EU - LTE(8h): 221 mg/m³, 50 ppm - STE: 442 mg/m³, 100 ppm - Notes: Bold-type:
Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational
Exposure [4] (for references see bibliography)
ACGIH - LTE(8h): 100 ppm - STE: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS
impair

Hydrocarbons, C9, aromatics

ACGIH - LTE(8h): 100 mg/m³, 19 ppm

DNEL Exposure Limit Values

Xylene [Reaction mass of ethylbenzene and m-xylene and p-xylene] (Benzene < 0,01%)

Consumer: 260 ppm - Exposure: Human Inhalation - Frequency: Short Term (acute)

Consumer: 65.3 ppm - Exposure: Human Inhalation - Frequency: Long Term (repeated)

n-butyl acetate - CAS: 123-86-4

Worker Industry: 960 mg/m³ - Worker Professional: 960 mg/m³ - Consumer: 859.7
mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 480 mg/m³ - Worker Professional: 480 mg/m³ - Consumer: 102.34
mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 7 mg/kg/d - Worker Professional: 7 mg/kg/d - Consumer: 3.4 mg/kg/d -
Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 3.4 mg/kg/d - Exposure: Human Oral - Frequency: Long Term, systemic
effects

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects

Worker Professional: 275 ppm - Consumer: 33 ppm - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Worker Professional: 153.5 mg/kg - Consumer: 54.8 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects

xylene - CAS: 1330-20-7

Worker Industry: 289 mg/m³ - Worker Professional: 289 mg/m³ - Consumer: 174 mg/m³ -
Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 77 mg/m³ - Worker Professional: 77 mg/m³ - Consumer: 14.8 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 180 mg/kg/d - Worker Professional: 180 mg/kg/d - Consumer: 108
mg/kg/d - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg/d - Exposure: Human Oral
Frequency: Long Term, systemic effects

Hydrocarbons, C9, aromatics

Consumer: 11 mg/kg/d - Exposure: Human Oral - Frequency: Long Term, systemic
effects

Worker Industry: 150 mg/m³ - Worker Professional: 150 mg/m³ - Consumer: 32 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Safety Data Sheet

S53 MAGENTA

Worker Industry: 25 mg/kg/d - Worker Professional: 25 mg/kg/d - Consumer: 11 mg/kg/d
- Exposure: Human Dermal - Frequency: Long Term, systemic effects

2-butanone oxime; ethyl methyl ketoxime - CAS: 96-29-7

Worker Professional: 2.5 mg/kg - Consumer: 1.5 mg/kg - Exposure: Human Dermal -
Frequency: Short Term, systemic effects

Worker Professional: 1.3 mg/kg - Consumer: 0.78 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects

Worker Professional: 9 ppm - Consumer: 2.7 ppm - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects

Worker Professional: 3.33 ppm - Consumer: 2 ppm - Exposure: Human Inhalation -
Frequency: Long Term, local effects

PNEC Exposure Limit Values

Xylene [Reaction mass of ethylbenzene and m-xylene and p-xylene] (Benzene < 0,01%)

Target: Fresh Water - Value: 0.327 mg/l

Target: Marine water - Value: 0.327 mg/l

Target: Freshwater sediments - Value: 12.46 mg/kg

Target: Marine water - Value: 12.46 mg/kg

Target: Soil (agricultural) - Value: 2.31 mg/kg

n-butyl acetate - CAS: 123-86-4

Target: Soil (agricultural) - Value: 0.09 mg/kg

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.018 mg/l

Target: Freshwater sediments - Value: 0.98 mg/kg

Target: Marine water sediments - Value: 0.09 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Fresh Water - Value: 0.635 mg/l

Target: Freshwater sediments - Value: 3.29 mg/kg

Target: Marine water sediments - Value: 0.329 mg/kg

Target: Microorganisms in sewage treatments - Value: 100 mg/l

xylene - CAS: 1330-20-7

Target: Fresh Water - Value: 0.327 mg/l

Target: Marine water - Value: 0.327 mg/l

Target: Freshwater sediments - Value: 12.46 mg/kg

Target: Marine water - Value: 12.46 mg/kg

Target: Soil (agricultural) - Value: 2.31 mg/kg

2-butanone oxime; ethyl methyl ketoxime - CAS: 96-29-7

Target: Fresh Water - Value: 0.256 mg/l

Target: Microorganisms in sewage treatments - Value: 177 mg/l

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

Safety Data Sheet

S53 MAGENTA

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	liquid magenta	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	137°C	--	--
Flash point:	25 °C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	> 1	--	--
Relative density:	0.980 g/cm ³ - 20°C	--	--
Solubility in water:	insoluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	> 450°C	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	UEL 6% vol. - LEL 1% vol. (Xilene)	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Safety Data Sheet

S53 MAGENTA

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
 - Stable under normal conditions
- 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
 - None
- 10.4. Conditions to avoid
 - Stable under normal conditions.
- 10.5. Incompatible materials
 - Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
 - None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
 - Toxicological information of the mixture:
 - N.A.
 - Toxicological information of the main substances found in the mixture:
 - n-butyl acetate - CAS: 123-86-4
 - a) acute toxicity:
 - Test: LC50 - Route: Inhalation - Species: Rat > 23.4 mg/l - Duration: 4h - Source: Metodo: OECD 403
 - Test: LD50 - Route: Oral - Species: Rat = 10760 mg/kg - Source: Metodo: OECD 423
 - Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg - Source: Metodo: OECD 402
 - 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat = 8530 mg/kg
 - xylene - CAS: 1330-20-7
 - a) acute toxicity:
 - Test: LC50 - Route: Inhalation Vapour - Species: Rat > 20 mg/l - Duration: 4h
 - Test: LD50 - Route: Skin - Species: Rabbit > 4200 mg/kg
 - Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg
 - Hydrocarbons, C9, aromatics
 - a) acute toxicity:
 - Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m3 - Duration: 4h
 - Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg
 - 2-butanone oxime; ethyl methyl ketoxime - CAS: 96-29-7
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat = 2400 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit > 1000 mg/kg
 - Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/l - Duration: 4h

If not differently specified, the information required in Regulation 453/2010/EC listed below must be

Safety Data Sheet

S53 MAGENTA

considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: Metodo: OECD 203

Endpoint: EC50 - Species: Algae = 674.7 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96

xylene - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1 ml/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24

2-butanone oxime; ethyl methyl ketoxime - CAS: 96-29-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 201 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 11.8 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae = 2.56 mg/l - Duration h: 72

12.2. Persistence and degradability

None

n-butyl acetate - CAS: 123-86-4

Biodegradability: Readily biodegradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Biodegradability: Readily biodegradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

12.3. Bioaccumulative potential

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration: N.A. - Notes: N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Safety Data Sheet

S53 MAGENTA

SECTION 14: Transport information



- 14.1. UN number
ADR-UN Number: 1263
IATA-UN Number: 1263
IMDG-UN Number: 1263
- 14.2. UN proper shipping name
ADR-Shipping Name: PAINT
IATA-Shipping Name: PAINT
IMDG-Shipping Name: PAINT
- 14.3. Transport hazard class(es)
ADR-Class: 3

ADR - Hazard identification number: 30
IATA-Class: 3
IATA-Label: 3
IMDG-Class: 3
Sea (IMO): Classe 3, P.G. III - EmS F-E, S-E
- 14.4. Packing group
ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III
- 14.5. Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user

ADR-Subsidiary risks: -
ADR-S.P.: 163 367 640E 650
ADR-Tunnel Restriction Code: 3 (D/E)
IATA-Passenger Aircraft: 355
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 366
IATA-S.P.: A3 A72 A192
IATA-ERG: 3L

IMDG-EmS: F-E , S-E
IMDG-Subsidiary risks: -

IMDG-Storage category: Category A
IMDG-Storage notes: -
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
No

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830

Safety Data Sheet

S53 MAGENTA

Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3
Restriction 40

Restrictions related to the substances contained:

Restriction 30

Volatile Organic compounds - VOCs = 64.80 %

Volatile Organic compounds - VOCs = 635.49 g/l

Volatile CMR substances = 0.02 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.90 %

Organic Carbon - C = 0.49

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H315 Causes skin irritation.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H411 Toxic to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H318 Causes serious eye damage.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Safety Data Sheet

S53 MAGENTA

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.
N.A.:	N.A.