



J COLORS S.p.A.

Cortina

Divisione TOSCANO
Revision nr.7
Dated 03/02/2011
Printed on 18/02/2011
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Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name **Cortina**

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

Intended use **Synthetic Enamel glossy**

1.3. Details of the supplier of the safety data sheet

Name **J COLORS S.p.A.**
Full address **VIA SETTEMBRINI, 39**
District and Country **20020 LAINATE MI**
ITALIA
Tel. **+39 02 937541**
Fax **+39 02 93754274**

e-mail address of the competent person responsible for the Safety Data Sheet **lab@jcolors.com**

Product distribution by **Laboratorio J Colors S.p.A**
+39 02 93754222/243

1.4. Emergency telephone number

For urgent inquiries refer to **Centro Antiveleni Milano**
Niguarda +39 02 66101029

2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet

Warning symbols: None

R phrases: 10-52/53

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet

2.2. Label elements

Hazard labeling under the 67/548/EEC and 1999/45/EC directives and following amendments and adjustments.

Warning symbols: None

R10 FLAMMABLE.
R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
S 2 KEEP OUT OF THE REACH OF CHILDREN.
S23 DO NOT BREATHE GAS/FUMES/VAPOUR/SPRAY
S43 IN CASE OF FIRE, USE EXTINGUISHING POWDERS, SAND, CO₂,FOAMS,NEBULIZED WATER. DON'T USE WATER JETS.
S46 IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.
S51 USE ONLY IN WELL-VENTILATED AREAS.

Contains: 2-BUTANONE OXIME
May cause allergic reactions.

Hazard labelling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

2.3. Other hazards





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Information not available

3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification	Conc. %	Classification 67/548/EEC	Classification 1272/2008 (CLP)
ISOPARAFFINS 175°C/195°C			
CAS 90622-57-4	0,90 - 2	Xn R65, R66	Asp. Tox. 1 H304, EUH066, Flam. Liq. 3 H226
EC 292-459-0			
XYLENE (MIXTURE OF ISOMERS)			
CAS 1330-20-7	0,4999 - 0,6999	Xn R20/21, Xi R38, R10, Nota C	Flam. Liq. 3 H226, Acute Tox. 4 H312, Skin Irrit. 2 H315, Acute Tox. 4 H332, Nota C
EC 215-535-7			
INDEX 601-022-00-9			
PROPYLBENZENE			
CAS 103-65-1	0,40 - 0,45	Xn R65, Xi R37, N R51/53, R10, Nota C	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, Aquatic Chronic 2 H411, Nota C
EC 203-132-9			
INDEX 601-024-00-X			
MESITYLENE			
CAS 108-67-8	0,35 - 0,40	Xi R37, N R51/53, R10	Flam. Liq. 3 H226, STOT SE 3 H335, Aquatic Chronic 2 H411
EC 203-604-4			
INDEX 601-025-00-5			
1,2,4-TRIMETHYLBENZENE			
CAS 95-63-6	0,90 - 2	Xn R20, Xi R36/37/38, N R51/53, R10	Flam. Liq. 3 H226, Skin Irrit. 2 H315, Eye Irrit. 2 H319, Acute Tox. 4 H332, STOT SE 3 H335, Aquatic Chronic 2 H411
EC 202-436-9			
INDEX 601-043-00-3			
NAPHTA (PETROL.) HYDRODESULFURIZED HEAVY			
CAS 64742-82-1	13 - 18	Xn R65, N R51/53, R66, R10, Nota H P 4	Asp. Tox. 1 H304, Aquatic Chronic 2 H411, EUH066, Flam. Liq. 3 H226, Nota H P 4
EC 265-185-4			
INDEX 649-330-00-2			
SOLVENT NAPHTA (PETROLEUM), LIGHT AROM			
CAS 64742-95-6	0,90 - 2	Xn R65, Xi R37, N R51/53, R66, R67, R10, Nota H P 4	EUH066, Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336, Aquatic Chronic 2 H411, Nota H P 4
EC 265-199-0			
INDEX 649-356-00-4			

Xn= HARMFUL, Xi= IRRITANT, N= DANGEROUS FOR THE ENVIRONMENT

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet

4. First aid measures

4.1. Description of first aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

INHALATION: Remove to open air. If breathing is irregular, seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

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

For symptoms and effects caused by the contained substances see chap. 11

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

Follow doctor's orders

5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

The extinction equipment to be used is the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.



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5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion.
Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist) work gloves (fireproof, cut proof and dielectric), self-respirator (self-protector).

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or the leaked product before donning appropriate protective gear. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, see the other sections of this sheet.

6.2. Environmental precautions

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

6.3. Methods and material for containment and cleaning up

Use inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc.) to soak up leaked product. Collect the majority of the remaining material and deposit it in containers for disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Do not smoke while handling and use.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well ventilated place, keep far away from sources of heat, bright flames and sparks and other sources of ignition.

7.3. Specific end use(s)

Information not available

8. Exposure controls/personal protection

8.1. Control parameters

Product name	Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	
ISOPARAFFINS 175°C/195°C	TLV (ACGIH)		1200				
XYLENE (MIXTURE OF ISOMERS)	TLV-ACGIH			100		150	Skin
	OEL	EU	221	50	442	100	Skin
	OEL	IRL		50		100	Skin
	WEL	UK		50		100	Skin
MESITYLENE	TLV-ACGIH		123	25			Skin
	OEL	EU	100	20			Skin
	OEL	IRL		20			Skin
	WEL	UK		25			Skin
1,2,4-TRIMETHYLBENZENE	TLV-ACGIH			25			Skin
	OEL	EU	100	20			Skin
	OEL	IRL		20			Skin
	WEL	UK		25			Skin



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8.2. Exposure controls

Information not available

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance		Liquid
Colour		White
Odour		Characteristic
Odour threshold		Not available
pH		Not available
Melting or freezing point		Not available
Boiling point	>	160 °C
Distillation range		Not available
Flash point	>	21 °C
Evaporation Rate		Not available
Flammability of solids and gases		Not available
Lower inflammability limit		Not available
Upper inflammability limit		Not available
Lower explosive limit		Not available
Upper explosive limit		Not available
Vapour pressure		20mbar/20°C
Vapour density		Not available
Specific gravity		1,180 Kg/l
Solubility		Insoluble in water
Partition coefficient: n-octanol/water		Not available
Ignition temperature	>	190 °C
Decomposition temperature		Not available
Viscosity		90 KU
Reactive Properties		Not available

9.2. Other information

Solid content:	74,75%		
VOC (Directive 2004/42/EC) :	25,25%	-	298,00 g/litre
VOC (volatile carbon) :	20,75%	-	244,85 g/litre

10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

XYLENE (MIXTURE OF ISOMERS): stable, but may develop violent reactions in the presence of strong oxidising agents such as sulphuric and nitric acids and perchlorates. May form explosive mixtures with the air.

10.4. Conditions to avoid

Avoid overheating, electrostatic discharge and all sources of ignition

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

11. Toxicological information

11.1. Information on toxicological effects

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

12. Ecological information

12.1. Toxicity

This product is dangerous for the environment and the aquatic organisms. In the long term, it may even have negative effects on aquatic environment.





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12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Information not available

12.6. Other adverse effects

Information not available

13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

Waste transportation may be subject to ADR restrictions.

14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR/RID Class:	3	UN:	1263
Packing Group:	III		
Label:	3		
Nr. Kemler:	30		
Special Provision:	640E		
Limited Quantity	LQ07		
Tunnel restriction code	D/E		
Proper Shipping Name:	Paint or paint related material		



Carriage by sea (shipping):

IMO Class:	3	UN:	1263
Packing Group:	III		
Label:	3		
EMS:	F-E, S-E		
Marine Pollutant	NO		
Proper Shipping Name:	Paint or paint related material		



Transport by air:

IATA:	3	UN:	1263
Packing Group:	III		
Label:	3		
Cargo:			
Packaging instructions:	310	Maximum quantity:	220 L
Pass.:			
Packaging instructions:	309	Maximum quantity:	60 L
Proper Shipping Name:	Paint or paint related material		



15. Regulatory information

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

Seveso category 6

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

—Product—
—Point— 40

Substances in Candidate List (Art. 59 REACH)

None



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Substances subject to authorisation (Annex XIV REACH)

Information not available

Healthcare controls

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VOC (Directive 2004/42/EC) :

Interior / exterior trim and cladding paints for wood and metal.

VOC given in g/litre of product in a ready-to-use condition :

Limit value: 300 (2010)

VOC of product : 300,00

- Thinned with : 5,00% DILUENTE PER SINTETICI ALIF.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains

16. Other information

Key for the CLP classifications mentioned in sections 2 and 3 of the sheet:

Flam. Liq. 3	Flammable liquid, category 3
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Eye Irrit. 2	Eye irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Irrit. 2	Skin irritation, category 2
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity category 2
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R10	FLAMMABLE.
R20	HARMFUL BY INHALATION.
R20/21	HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.
R36/37/38	IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
R37	IRRITATING TO RESPIRATORY SYSTEM.
R38	IRRITATING TO SKIN.
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
R66	REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.
R67	VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. The Merck Index. - 10th Edition
8. Handling Chemical Safety
9. Niosh - Registry of Toxic Effects of Chemical Substances
10. INRS - Fiche Toxicologique (toxicological sheet)
11. Patty - Industrial Hygiene and Toxicology
12. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.





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Changes to previous review:
The following sections were modified:
02/03/10/11/13/14/15