Safety data sheet

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

1.1. Product identifier

Code: **MC2 NEW2**
Product name **All shades**

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

Intended use **Cream hair colour**

1.3. Details of the supplier of the safety data sheet

Name **G&P COSMETICS SRL**
Full address **Via Alcide De Gasperi,8**
District and Country **52037 Sansepolcro (AR)**
ITALIA

Tel. 0575-720682

Fax 0575-749923

e-mail address of the competent person

responsible for the Safety Data Sheet **regulatory@ilovesensus.it**
Product distribution by: **G&P COSMETICS SRL**

1.4. Emergency telephone number

For urgent inquiries refer to **02 66101029 Centro Antiveleni di Milano**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in 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.

Hazard classification and indication:

Acute toxicity, category 4	H302	Harmful if swallowed.
Serious eye damage, category 1	H318	Causes serious eye damage.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 2	H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: Danger

Hazard statements:

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.
EUH208	Contains: 4-AMINO-M-CRESOL, 2,6-DIHYDROXYETHYLAMINOTOLUENE
	May produce an allergic reaction.

Precautionary statements:

P260	Do not breathe dust / fume / gas / mist / vapours / spray.
P264	Wash . . . thoroughly after handling.
P280	Wear protective gloves / clothing and eye / face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER / doctor / . . .

Contains:	ETHANOLAMINE Alcool grasso etossilato CETOLETH-5 1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE p-AMINO-o-CRESOLO N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE 2-METHYLRESORCINOL 2,4-DIAMINOPHENOXYETHANOL HCL 4-CHLORORESORCINOL 5-AMINO-6-CHLORO-o-CRESOL TOLUENE 2,5-DIAMINE SULFATE M-AMINOPHENOL

2.3. Other hazards

vPvB substances contained:

D-LIMONENE

DIPHENYL ETHER

PBT substances contained:

D-LIMONENE

DIPHENYL ETHER

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
ETHANOLAMINE		
CAS 141-43-5	8 ≤ x < 9	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, STOT SE 3 H335, Aquatic Chronic 3 H412
EC 205-483-3		
INDEX 603-030-00-8		
Reg. no. 01-2119486455-28-0001		
TOLUENE 2,5-DIAMINE SULFATE		
CAS 615-50-9	0,01 ≤ x < 6	Acute Tox. 3 H301, Acute Tox. 4 H312, Acute Tox. 4 H332, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 210-431-8		
INDEX 612-030-00-7		
Alcool grasso etossilato		
CAS 68439-50-9	3 ≤ x < 3,5	Eye Dam. 1 H318, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412
EC 500-213-3		
INDEX -		
CETOLETH-5		
CAS 68155-01-1	3 ≤ x < 3,5	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 1 H410 M=1
EC		
INDEX -		
Cocamidopropyl Betaine		
CAS 61789-40-0	2,5 ≤ x < 3	Eye Dam. 1 H318
EC		
INDEX -		
1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE		
CAS 155601-30-2	0,01 ≤ x < 2,5	Eye Dam. 1 H318, Skin Sens.

		1 H317, Aquatic Chronic 2 H411
EC 429-300-3		
INDEX -		
Reg. no. 01-0000017559-58-0002		
2,4-DIAMINOPHENOXYETHANOL HCL		
CAS 66422-95-5	0,01 ≤ x < 2,5	Acute Tox. 4 H302, Eye Irrit. 2 H319, STOT SE 3 H335, Skin Sens. 1 H317
EC 266-357-1		
INDEX -		
N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE		
CAS 54381-16-7	0,01 ≤ x < 2,5	Acute Tox. 3 H301, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317
EC 259-134-5		
INDEX -		
1-NAPHTHOL		
CAS 90-15-3	0,01 ≤ x < 2	Acute Tox. 4 H302, Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335
EC 201-969-4		
INDEX 604-029-00-5		
2-METHYLRESORCINOL		
CAS 608-25-3	0,01 ≤ x < 2	Acute Tox. 3 H301, Eye Irrit. 2 H319, Skin Sens. 1 H317, Aquatic Chronic 3 H412
EC 210-155-8		
INDEX -		
5-AMINO-6-CHLORO-o-CRESOL		
CAS 84540-50-1	0,01 ≤ x < 1,5	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 283-144-9		
INDEX -		
4-CHLORORESORCINOL		
CAS 95-88-5	0,01 ≤ x < 1,5	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317
EC 202-462-0		
INDEX -		
2-AMINO-3-HYDROXYPYRIDINE		
CAS 16867-03-1	0,01 ≤ x < 1,5	Acute Tox. 3 H301, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335
EC 240-886-8		
INDEX -		
p-AMINO-o-CRESOLO		
CAS 2835-95-2	0,01 ≤ x < 1,5	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute

		1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 220-618-6		
INDEX -		
BASIC YELLOW 87		
CAS 68259-00-7	0,01 ≤ x < 1,5	Acute Tox. 4 H302, Aquatic Chronic 2 H411
EC 269-503-2		
INDEX -		
p-AMINOPHENOL		
CAS 123-30-8	0,01 ≤ x < 1	Muta. 2 H341, Acute Tox. 4 H302, Acute Tox. 4 H332, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 204-616-2		
INDEX 612-128-00-X		
PENTASODIUM PENTETATE		
CAS 000140-01-2	0,8 ≤ x < 0,9	Met. Corr. 1 H290, Repr. 2 H361f, Repr. 2 H361fd, Acute Tox. 4 H332, STOT RE 2 H373, Eye Dam. 1 H318, Skin Irrit. 2 H315
EC 205-391-3		
INDEX -		
Reg. no. 01-2119474445-33		
2,6-DIHYDROXYETHYLAMINOTOLUENE		
CAS 149330-25-6	0,01 ≤ x < 0,8	Skin Sens. 1 H317
EC		
INDEX -		
BASIC RED 51		
CAS 77061-58-6	0,01 ≤ x < 0,75	Acute Tox. 4 H302, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 278-601-4		
INDEX -		
4-AMINO-M-CRESOL		
CAS 2835-99-6	0,01 ≤ x < 0,6	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC 220-621-2		
INDEX -		
M-AMINOPHENOL		
CAS 591-27-5	0,01 ≤ x < 0,45	Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Sens. 1A H317, Aquatic Chronic 2 H411
EC 209-711-2		
INDEX 612-127-00-4		

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

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.
INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.
UNSUITABLE EXTINGUISHING EQUIPMENT
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.

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.

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

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust.
Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If the product is flammable, use explosion-proof equipment. If there are no contraindications, use jets of water to eliminate product residues.
Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. 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.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
	TLV-ACGIH	ACGIH 2016

ETHANOLAMINE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
VLEP	ITA	2,5	1	7,6	3	SKIN
TLV-ACGIH		2,5	1	7,6	3	

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,085	mg/l
Normal value in marine water	0,0085	mg/l
Normal value for fresh water sediment	0,425	mg/kg
Normal value for marine water sediment	0,0425	mg/kg
Normal value of STP microorganisms	100	mg/l
Normal value for the terrestrial compartment	0,035	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Effects on workers		
Oral	VND	3.75 mg/kg			
Inhalation	2 mg/m3	2 mg/m3		3.3 mg/m3	VND
Skin	VND	0.24 mg/kg		VND	1 mg/kg

TOLUENE 2,5-DIAMINE SULFATE

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0126	mg/l
Normal value in marine water	0,00126	mg/l
Normal value for fresh water sediment	0,0112	mg/kg
Normal value for marine water sediment	0,00112	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Effects on workers		
Inhalation	VND	0,49 mg/m3			
Skin	VND	0,10 mg/kg/d			

PENTASODIUM PENTETATE

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,64	mg/l

Normal value in marine water	0,64	mg/l
Normal value for fresh water sediment	23	mg/kg
Normal value for marine water sediment	0,64	mg/l
Normal value for water, intermittent release	31	mg/l
Normal value of STP microorganisms	0,65	mg/l
Normal value for the terrestrial compartment	853	mg/kg

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.

HAND PROTECTION
In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).
Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

SKIN PROTECTION
Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION
Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION
None required, unless indicated otherwise in the chemical risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	solid
Colour	white to beige
Odour	characteristic
Odour threshold	Not available

pH	9.8-11.4
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Information not available

SECTION 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

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

The product is not classified corrosive to the skin on the test base "in vitro" made in accordance with EPA method 1120 and the OECD Guideline 435

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information
Information not available
Information on likely routes of exposure
Information not available
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Information not available
Interactive effects
Information not available
ACUTE TOXICITY
LC50 (Inhalation - vapours) of the mixture:> 20 mg/l
LC50 (Inhalation - mists / powders) of the mixture:> 5 mg/l
LD50 (Oral) of the mixture:752 mg/kg
LD50 (Dermal) of the mixture:>2000 mg/kg

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE
LD50 (Oral) > 2000 mg/kg Rat

TOLUENE 2,5-DIAMINE SULFATE
LD50 (Oral) 98 mg/kg Rat
LD50 (Dermal) 6300 mg/kg estrapolato
LC50 (Inhalation)

p-AMINOPHENOL
LD50 (Oral) 370 mg/kg rat
LD50 (Dermal) > 5000 mg/kg rat
LC50 (Inhalation)

p-AMINO-o-CRESOLO
LD50 (Oral) 2900 mg/kg Rat

M-AMINOPHENOL
LD50 (Oral) 924 mg/kg Rat

N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE
LD50 (Oral) 264 mg/kg Rat

1-NAPHTHOL
LD50 (Oral) 2300 mg/kg Rat
LD50 (Dermal) 800 mg/kg Rabbit

2-AMINO-3-HYDROXYPYRIDINE

LD50 (Oral) 50 mg/kg Rat

2-METHYLRESORCINOL
LD50 (Oral) 200 mg/kg Rat

2,4-DIAMINOPHENOXYETHANOL HCL
LD50 (Oral) 1113 mg/kg rat

4-AMINO-M-CRESOL
LD50 (Oral) 870 mg/kg Rat

4-CHLORORESORCINOL
LD50 (Oral) 370 mg/kg rat

BASIC RED 51
LD50 (Oral) 500 mg/kg Rat
LD50 (Dermal) > 2000 mg/kg Rat

BASIC YELLOW 87
LD50 (Oral) > 500 mg/kg rat
LD50 (Dermal) > 2000 mg/kg rat

2,6-DIHYDROXYETHYLAMINOTOLUENE
LD50 (Oral) > 2000 mg/kg rat

PROPYLENE GLYCOL
LD50 (Oral) > 20000 mg/kg rat
LD50 (Dermal) > 2000 mg/kg rabbit

ETHANOLAMINE
LD50 (Oral) 1515 mg/kg rat
LD50 (Dermal) 2504 mg/kg rabbit
LC50 (Inhalation)

CETOLETH-5
LD50 (Oral) > 2000 mg/kg rat

SKIN CORROSION / IRRITATION
Causes skin irritation
SERIOUS EYE DAMAGE / IRRITATION
Causes serious eye damage
RESPIRATORY OR SKIN SENSITISATION
Sensitising for the skinMay produce an allergic reaction.Contains:
GERM CELL MUTAGENICITY
Does not meet the classification criteria for this hazard class
CARCINOGENICITY
Does not meet the classification criteria for this hazard class
REPRODUCTIVE TOXICITY
Does not meet the classification criteria for this hazard class
STOT - SINGLE EXPOSURE
May cause respiratory irritation
STOT - REPEATED EXPOSURE
Does not meet the classification criteria for this hazard class
ASPIRATION HAZARD
Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

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

12.1. Toxicity

1-HYDROXYETHYL 4,5-

DIAMINO PYRAZOLE SULFATE	
LC50 - for Fish	86,2 mg/l/96h Brachidanio rerio
EC50 - for Crustacea	11,12 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	5,53 mg/l/72h Selenastrum capricornutum
TOLUENE 2,5-DIAMINE SULFATE	
LC50 - for Fish	0,36 mg/l Brachydanio rerio
EC50 - for Crustacea	0,5 mg/l Daphnia magna
EC50 - for Algae / Aquatic Plants	0,3 mg/l/72h Desmodesmus subspicatus
1-NAPHTHOL	
LC50 - for Fish	4,2 mg/l/96h Fathead minnow
EC50 - for Crustacea	3,5 mg/l/48h Daphnia magna
2-METHYLRESORCINOL	
LC50 - for Fish	12 mg/l/96h
EC50 - for Crustacea	110 mg/l/48h Daphnia magna
BASIC YELLOW 87	
LC50 - for Fish	28 mg/l/96h oncorhynchus mykiss
EC50 - for Crustacea	1,6 mg/l/48h dafnia magna
2,6-DIHYDROXYETHYLAMINOTOLUENE	
EC50 - for Crustacea	45 mg/l/48h dafnia
PROPYLENE GLYCOL	
EC50 - for Crustacea	18340 mg/l/48h Ceriodaphnia Dubia
LC10 for Fish	40613 mg/l/96h Oncorhynchus mykiss
ETHANOLAMINE	
LC50 - for Fish	170 mg/l/96h Carassius auratus
EC50 - for Crustacea	65 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	2,5 mg/l/72h Selenastrum capricornutum
Chronic NOEC for Fish	1,2 mg/l Oryzias latipes
Chronic NOEC for Crustacea	0,85 mg/l Daphnia magna
CETOLETH-5	
LC50 - for Fish	108 mg/l/96h Brachydanio rerio
EC50 - for Algae / Aquatic Plants	725 mg/l/72h

12.2. Persistence and degradability

1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE
NOT rapidly degradable

TOLUENE 2,5-DIAMINE SULFATE
NOT rapidly degradable

p-AMINOPHENOL
Degradability: information not available

p-AMINO-o-CRESOLO
NOT rapidly degradable

N,N-BIS(2-HYDROXYETHYL)-P-PHENYLENEDIAMINE SULFATE
NOT rapidly degradable

4-AMINO-M-CRESOL
NOT rapidly degradable

PROPYLENE GLYCOL
Degradability: information not available

ETHANOLAMINE
Rapidly degradable

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

vPvB substances contained:

D-LIMONENE

PBT substances contained:
DIPHENYL ETHER

D-LIMONENE

DIPHENYL ETHER

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

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.
Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

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.
Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA:	3077
ADR / RID:	In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to ADR provisions.
IMDG:	In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to

	IMDG Code provisions.
IATA:	In accordance with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TOLUENE 2,5-DIAMINE SULFATE; ETHANOLAMINE)
IMDG:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TOLUENE 2,5-DIAMINE SULFATE; ETHANOLAMINE)
IATA:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TOLUENE 2,5-DIAMINE SULFATE; ETHANOLAMINE)

14.3. Transport hazard class(es)

ADR / RID:	Class: 9	Label: 9
IMDG:	Class: 9	Label: 9
IATA:	Class: 9	Label: 9

14.4. Packing group

ADR / RID, IMDG, IATA:	III

14.5. Environmental hazards

ADR / RID:	Environmentally Hazardous

IMDG:	Marine Pollutant
IATA:	Environmentally Hazardous

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 90	Limited Quantities: 5 kg	Tunnel restriction code: (-)
	Special Provision: -		
IMDG:	EMS: F-A, S-F	Limited Quantities: 5 kg	
IATA:	Cargo:	Maximum quantity: 400 Kg	Packaging instructions: 956
	Pass.:	Maximum quantity: 400 Kg	Packaging instructions: 956
	Special Instructions:	A97, A158, A179, A197	

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC: E2

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

None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisarion (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

TOLUENE 2,5-DIAMINE SULFATE

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Muta. 2	Germ cell mutagenicity, category 2
Repr. 2	Reproductive toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H290	May be corrosive to metals.
H341	Suspected of causing genetic defects.
H361f	Suspected of damaging fertility.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy
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.
Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:
02 / 11.