

Safety Data Sheet

according to 1907/2006/EC, Article 31, (Commission Regulation (EU) 2020/878)

Trade name: **Corum 5117**

Version: 8

Revision: 2024.03.08

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name	Corum 5117
INCI NAME	Quaternium-60 (and) Propylene Glycol
CAS number	72102-40-0 (and) 67633-63-0 (and) 57-55-6

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

Recommended Use	Used in the formulation of cosmetics and personal care products Cosmetic Skin cosmetics Cosmetic auxiliary Cosmetic Active Agent
Uses advised against	Not determined
Product category	Not determined
Process category	Not determined

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier
CORUM INC.
6FL., No.360, Ruei Guang Rd.,
Neihu Dist., Taipei 114729, Taiwan
Further information obtainable from
marketing.support@corum.com.tw

1.4 Emergency telephone number

Company phone number	CORUM Tel. 886-2-8751-6060 Fax. 886-2-8751-6363
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1	H318 Causes serious eye damage.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.
Acute Tox. 4	H302 Harmful if swallowed.
Skin Irrit. 2	H315 Causes skin irritation.

2.2 Label elements

Label according to Regulation (EC) No 1272/2008
The substance is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05



GHS07



GHS09

Signal word

Danger

Hazard-determining components of labelling

Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate

Hazard statements

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H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
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 or doctor/physician.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:**

Based on available data, the ingredients of this mixture do not meet the PBT criteria (not PBT) according to (EC) 1907/2006, Annex XIII.

vPvB:

Based on available data, the ingredients of this mixture do not meet the vPvB criteria (not vPvB) according to (EC) 1907/2006, Annex XIII.

Determination of endocrine-disrupting properties

The product does not contain ingredients with endocrine-disrupting properties for humans.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable

3.2 Mixtures

Composition/information on ingredients

Name	Chemical name	Identification	Classification	SCLs, M-Factors	%
COMPONENT					
Propylene Glycol	Propane-1,2-diol	(CAS No.) 57-55-6 (EC No.) 200-338-0	Not Classified	-	48-52%
Quaternium -60	Ethyldimethyl[3-[(1-oxooctadecyl)amino]propyl]ammonium ethyl sulphate	(CAS No.) 67633-63-0 (EC No.) 266-778-0	Eye Dam. 1 H318 Acute Tox. 4 H302 Skin Irrit. 2 H315	-	48-52%
	1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates	(CAS No.) 72102-40-0 (EC No.) 276-339-5	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Eye Irrit. 2 H319	M=1 M(Chronic)=1	

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****General information**

Involve doctor immediately. Immediately remove any clothing soiled by the product.

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After inhalation	Supply fresh air; seek medical advice if symptoms persist.
After skin contact	Generally the product does not irritate the skin Wash skin with water and/or a mild detergent. If skin irritation continues, consult a doctor.
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, seek medical attention.
After swallowing	Rinse out mouth and then drink plenty of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Obtain medical attention if symptoms appear.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No further relevant information available.
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4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians	No further relevant information available.
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SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media

No further relevant information available.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Sulphur dioxide (SO₂)

5.3 Advice for firefighters

Protective equipment:

Wear self-contained breathing apparatus with facepiece.

Additional information

Cool endangered containers with water spray.
Prevent the fire spread by cooling surroundings with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment.

6.2 Environmental precautions

Prevent the product from entering drains or bodies of water.

6.3 Methods and material for containment and cleaning up

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If necessary dike the product with dry earth, sand or similar noncombustible materials.
Soak up with inert absorbent material (sand, diatomite, acid binders, universal binders, sawdust).
Pick up mechanically using appropriate tools.
Dispose contaminated material as waste according to item 13.
Clean the area with water.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precaution for safe handling

Advice on safe handling

Avoid contact with skin and eyes.
Avoid contact with clothing.
Avoid inhalation of vapour or mist.
Ensure good ventilation/exhaustion at the workplace.
Wash thoroughly after handling with mild soap and water.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in a cool place.

Incompatible materials

Check all containers are clearly labelled and free from leaks.

Storage class (VbF)

No

Requirements to be met by storerooms and receptacles

No special measures required.

Information about storage in common storage facility

Not required

Further information about storage conditions

None

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

Exposure limits

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNEL

Not determined

PNEC

Not determined

Additional information

The valid lists during this review were used as a basis.

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8.2 Exposure controls

Appropriate engineering controls

Ensure that eyewash and safety showers are in close proximity to work location. Good general ventilation is recommended for handling the product. No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work.

Personal protective equipment

Respiration protection

Not necessary if room is well-ventilated.
Recommended exposure limits have not been established for this material. Whether there is a need for respiratory protection under your conditions of handling of this material should be evaluated by a qualified health specialist.

Hands protection

Protective gloves



Rubber gloves

Plastic gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Chemical safety goggles

General protective measure

Avoid contact with the eyes and skin.

General hygiene measure

Wash hands before breaks and at the end of work.

Environmental exposure controls

No further relevant information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State

Liquid

Appearance

Viscous liquid

Color

Amber coloured

Gardner: 8.0 Max

Odor

Typical

Odor threshold

Not determined

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Property

pH value (5%)	3.0 – 5.0 (5% solution)
Melting point/Melting range	Not determined
Boiling point/Boiling range	188 °C (calculated)
Flash point	> 99 °C (calculated)
Flammability (solid, gaseous)	Not applicable
Ignition temperature	371 °C (for CAS: 57-55-6)
Decomposition temperature	Not determined
Self-igniting	Product is not self-igniting.
Danger of explosion	Product does not present an explosion hazard.
Explosion limit	
Lower	2.6 Vol % (for CAS: 57-55-6)
Upper	12.6 Vol % (for CAS: 57-55-6)
Oxidizing properties	Not determined
Explosive properties	Not determined
Vapor pressure	0.1 hPa (for CAS: 57-55-6) at 20 °C
Vapor density	0.987 g/cm ³ (for CAS: 57-55-6) at 20 °C
Relative density	Not determined
Evaporation rate	Not determined
Solubility	Fully miscible
Partition coefficient (n-octanol/water at 25 °C)	Not determined
Kinematic Viscosity	log Pow= -1,07 (25 °C) for ingredient CAS: 57-55-6
Dynamic Viscosity	Not determined
	46 mPas (for CAS: 57-55-6)

9.2 Other information

Surface tension	Not determined
Dissociation constant	Not determined
Granulometry	Not applicable

Information with regard to physical hazard classes

Explosives	Void
Flammable Gases and Chemically Unstable Gases	Void
Flammable Aerosols	Void
Oxidising Gases	Void
Gases Under Pressure	Void
Flammable Liquids	Void
Flammable Solids	Void
Self-reactive Substances and Mixtures	Void
Pyrophoric Liquids	Void
Pyrophoric Solids	Void
Self-heating Substances and Mixtures	Void
Substances and Mixtures which in contact with water emit flammable gases	Void
Oxidising Liquids	Void
Oxidising Solids	Void
Organic Peroxides	Void
Substances and Mixtures corrosive to Metals	Void
Desensitized Explosives	Void

SECTION 10: STABILITY AND REACTIVITY

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10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Stable under recommended storage conditions.

Thermal decomposition/conditions to be avoided

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Name	Propylene Glycol CAS:57-55-6	Ethyldimethyl[3-[(1-oxooctadecyl)amino]propyl]ammonium ethyl sulphate CAS:67633-63-0	1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et sulfates CAS:72102-40-0
Acute toxicity	*Based on the oral LD50 of 22,000 mg/kg bw in rats, dermal LD50 > 2,000 mg/kg bw in rabbits and inhalation LC50/2 h of > 317042 mg/m ³ in rabbits, classification of monopropylene glycol for acute oral and inhalation toxicity is not warranted in accordance with Directive 67/548/EEC and EU Classification, Labelling and Packaging (CLP) Regulation (EC).	*Acute Tox. 4	*Based on available data, the classification criteria are not met.
Skin corrosion/irritation	*No adverse effect observed (not irritating)	*Skin Irrit. 2	*Based on available data, the classification criteria are not met.
Serious eye damage/irritation	*No adverse effect observed (not irritating)	*Eye Dam. 1	*Eye Irrit. 2
Respiratory tract	Not determined	Not determined	Not determined
Respiratory/skin sensitization	*No adverse effect observed (not sensitising)	Not determined	*Based on the results of the read across study, the test substance, 'iso and antesion C10-40 AAP EDM-ES' was determined to be

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			non-sensitising to the skin.
Toxicokinetics, metabolism and distribution	Not determined	Not determined	Not determined
Repeated dose toxicity	*Based on the NOAEL of 1,700 mg/kg bw/day and 1,000 mg/m3, obtained in oral chronic and inhalatory subchronic studies with rats, respectively, classification of monopropylene glycol for repeated dose toxicity is not warranted in accordance with Directive 67/548/EEC and EU Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC) No. 1272/2008.	Not determined	Not determined
Germ Cell mutagenicity	*No adverse effect observed (negative)	Not determined	*No adverse effect observed (negative)
Carcinogenicity	*Based on the lack of (pre-)neoplastic lesions in available long-term studies with rats and dogs, monopropylene glycol is not carcinogenic.	Not determined	Not determined
Reproductive toxicity	*Based on the absence of adverse effects on reproduction and development in available continuous breeding study and developmental toxicity study with mice (NOAEL > 10,000 mg/kg bw/day), monopropylene glycol does not have to be classified for reproductive and developmental toxicity in accordance with EU Directive 67/548/EEC and EU Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC) No. 1272/2008.	Not determined	Not determined
STOT-single exposure	Not determined	Not determined	Not determined
STOT-repeated exposure	Not determined	Not determined	Not determined
Aspiration hazard	Not determined	Not determined	Not determined

*from ECHA webpage registration data

11.2 Information on other hazards

Endocrine disrupting properties
Skin irritation

Substance is not listed.
Non irritant. (dilution at 5%)

SECTION 12: ECOLOGICAL INFORMATION

Name	Propylene Glycol CAS:57-55-6	Ethyldimethyl[3-[(1-oxoisooctadecyl)amino]propyl]ammonium ethyl sulphate	1-Propanaminium, 3-amino-N-ethyl-N,N-dimethyl-, N-lanolin acyl derivs., Et
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		CAS:67633-63-0	sulfates CAS:72102-40-0
12.1 Toxicity Aquatic toxicity	*Freshwater fish, LC50: 40,613 mg/L (Environment Canada (1990)) Freshwater invertebrates, LC50/EC50: 18,340 mg/L (EPA 600/4-90/0-27) Marine water invertebrates, LC50/EC50: 18,800 mg/L (US EPA FIFRA Guideline 72-3 (TSCA 797.1950)) Pseudokirchneriella subcapitata, EC50: (96H) 19,000 mg/L (freshwater algae. OECD TG 201) Skeletonema costatum, EC50: (96H) 19,100 mg/L (marine water algae, OECD TG 201) Freshwater invertebrates, NOEC: (7D) 13,020 mg/L (EPA 600/4-89/001)	No further relevant information available.	*Based on the study results, the 48 h EC50 value of the test substance, 'iso and anteiso C10-40 AAP EDM-ES' for toxicity in Daphnia magna was determined to be 0.538 mg a.i./L (measured).
12.2 Persistence and degradability	*The substance is considered readily biodegradable.	No further relevant information available.	*Based on the study results, the test substance, 'iso and anteiso C10-40 AAP EDM-ES' was determined to be not readily biodegradable.
12.3 Bioaccumulative potential	*On the basis of its Log Pow, the substance has not potential for bioaccumulative properties.	No further relevant information available.	No further relevant information available.
12.4 Mobility in soil	No further relevant information available.	No further relevant information available.	No further relevant information available.
12.5 Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable	PBT: Not applicable vPvB: Not applicable	PBT: Not applicable vPvB: Not applicable
12.6 Endocrine disrupting properties	The product does not contain substances with endocrine disrupting properties.	The product does not contain substances with endocrine disrupting properties.	The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects	No further relevant information available.	No further relevant information available.	No further relevant information available.

*from ECHA webpage registration data

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage.
Do not allow product to reach sewage system.

European waste catalogue

HP4

HP6

HP14

Irritant - skin irritation and eye damage
Acute Toxicity
Ecotoxic

13.2 Uncleaning packaging

Recommendation

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

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14.1 UN number or ID number

ADR/RID	3082
ADN	3082
IMDG	3082
IATA	3082

14.2 UN proper shipping name

ADR/RID	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
ADN	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
IMDG	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
IATA	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.

14.3 Transport hazard class(es)

ADR/RID	Class 9: Miscellaneous
ADN	Class 9: Miscellaneous
IMDG	Class 9: Miscellaneous
IATA	Class 9: Miscellaneous

14.4 Packing group

ADR/RID	Packing Group III
ADN	Packing Group III
IMDG	Packing Group III
IATA	Packing Group III

14.5 Environmental hazard

Marine pollutant	No
Special marking	Symbol (fish and tree)

14.6 Special precautions for user

Special precaution for user	Not applicable
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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

14.8 ICAO/IATA – DGR

UN number	3082
UN proper shipping name	RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
Transport hazard class	Class 9: Miscellaneous
Packing group	Packing Group III

14.9 Maritime transport in bulk according to

IMO instruments	Not applicable
UN "Model Regulation"	Not applicable

SECTION 15: REGULATORY INFORMATION**15.1 Safe, health and environmental regulations/legislation specific for the substance or mixture**

Name	Propylene Glycol CAS:57-55-6	Ethylidimethyl[3-[(1-oxoi sooctadecyl)amino] propyl]ammonium ethyl sulphate CAS:67633-63-0	1-Propanaminium, 3-amino-N-ethyl-N,N-dime thyl-, N-lanolin acyl derivs., Et sulfates CAS:72102-40-0
Inventory - United States - Toxic Substances Control Act (TSCA)	Y	Y	Y

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Inventory - Canada - Domestic Substances List (DSL)	Y	Y	Y
Inventory - Canada - Non-Domestic Substances List (NDSL)	N	N	N
Inventory - Canada - Revised In Commerce List (R-ICL)	N	N	N
ECHA Inventory of substances	Y	Y	Y
Japan Existing and New Chemical Substances (ENCS)	Y	Y	N
Inventory of Existing Chemical Substances in China (IECSC)	Y	Y	Y
Korean Existing and Evaluated Chemical Substances (KECL)	Y	Y	N
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Y	Y	Y
Australian Inventory of Industrial Chemicals (AIIC)	Y	Y	Y
New Zealand Inventory of Chemicals	Y	Y	Y
TCSI - Taiwan Chemical Substance Inventory	Y	Y	Y
OECD - List of High Production Volume Chemicals	Y	N	N

Y : listed, N : not listed, E : exempted

Directive 2004/42/EC

Seveso category E2 E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

Regulation (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

Substance is not listed.

Regulation (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Substance is not listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Substance is not listed.

Regulation (EC) No 273/2004 on drug precursors

Substance is not listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Substance is not listed.

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**Regulation (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I
(Ozone-depleting potential)**

Substance is not listed.

National regulations

Other regulations, limitations, and prohibitive regulations

Not determined

Substances of very high concern (SVHC) according to REACH, Article 59(10)

Substance is not listed.

15.2 **Chemical safety assessment**

This substance has been registered for a tonnage band <10 tons and a Chemical Safety Assessment is not mandatory according to REACH Regulation.

DNELs and PNECs can't be calculated with the information requirements of Annex VII.

Following ECHA Guidance R.7 part E, Risk Management Measures are described for substances classified for certain Hazard Classes (Table E.3-1). These RMM are included in this Safety Data Sheet in a format of Exposure Scenario.

This Exposure Scenario is provided on a voluntary basis.

A Chemical Safety Assessment has been carried out.

SECTION 16: OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of CORUM Inc. It relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. CORUM Inc. assumes no legal responsibility for use of or reliance upon this information.

Abbreviations and acronyms

GHS: Globally Harmonized System of Classification and Labeling Chemicals

CAS: Chemical Abstract Service (division of the American Chemical Society)

VbF: Ordinance on the storage of combustible liquids, Austria

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substances of Very High Concern

PBT: Persistent Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

STOT: Specific Target Organ Toxicity

ADR: Agreement on Dangerous Goods by Road

RID: Regulations concerning the Intl Transport of Dangerous Goods by Rail

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

NOEC: No Observed Effect Concentration

Sources

Own data from manufacture

Chemical safety report according to REACH registration dossier