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

1.1. Product identifier

Product form:	Mixture
Product name:	PRO-PRIME 203
UFI:	W410-U07H-C004-E835

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

1.2.1. Relevant identified uses

Industrial/Professional use spec:	Industrial For professional use only.

1.3. Details of the supplier of the safety data sheet

NAVIC
27B1, Polidefkous St.
185 45 Piraeus
Greece.

Tel: +30 210 4225 145
www.navic-chemicals.com

1.4. Emergency telephone number

Emergency number:	+30 210 7793 777 - (National Poison Helpline, GREECE)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3:	H226
Skin corrosion/irritation, Category 2:	H315
Serious eye damage/eye irritation, Category 2:	H319
Skin sensitisation, Category 1:	H317
Hazardous to the aquatic environment – Chronic Hazard, Category 2:	H411

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):

GHS02 GHS07 GHS09

Signal word (CLP):	Warning
Contains:	2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane.
Hazard statements (CLP):	H226 - Flammable liquid and vapour. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP):	P260 - Do not breathe vapours. P280 - Wear protective gloves, face protection, eye protection. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P273 - Avoid release to the environment. P501 - Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements:	EUH205 - Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.	2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane (1675-54-3)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	CAS-No.: 1675-54-3 EC-No.: 216-823-5 EC Index-No.: 603-073-00-2 REACH-no: 01-2119456619-26	< 30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Reaction mass of ethylbenzene and m-xylene and p-xylene	EC-No.: 905-562-9 REACH-no: 01-2119488216-32	< 9	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

			STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
1-methoxy-2-propanol; monopropylene glycol methyl ether	CAS-No.: 107-98-2 EC-No.: 203-539-1 EC Index-No.: 603-064-00-3	< 5	Flam. Liq. 3, H226 STOT SE 3, H336

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	CAS-No.: 1675-54-3 EC-No.: 216-823-5 EC Index-No.: 603-073-00-2 REACH-no: 01-2119456619-26	(5 ≤ C ≤ 100) Skin Irrit. 2; H315 (5 ≤ C ≤ 100) Eye Irrit. 2; H319

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Wash with plenty of water/…. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation: May cause an allergic skin reaction.

Symptoms/effects after skin contact: Causes skin irritation.

Symptoms/effects after eye contact: Causes serious eye damage.

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Flammable liquid and vapour.

Explosion hazard: May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed:	Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing vapours.
Hygiene measures:	Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.
Storage conditions:	Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container tightly closed.
Incompatible products:	Oxidizing agent. amines. Sodium hydroxide.
Incompatible materials:	Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

Personal protection equipment

Personal protective equipment: Avoid all unnecessary exposure.

Personal protective equipment symbol(s):

Eye and face protection

Eye protection: Chemical goggles or safety glasses.

Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Wear protective gloves.

Respiratory protection

Respiratory protection: Wear appropriate mask.

Environmental exposure controls

Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Colourless.
Odour	Characteristic.
Odour threshold	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flammability	Flammable liquid and vapour.
Lower explosion limit	Not available.
Upper explosion limit	Not available.
Flash point	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
pH	Not applicable, product is solvent-based.
Viscosity, kinematic	Not available.
Solubility	Not available.
Partition coefficient n-octanol/water (Log Kow)	Not available.

Vapour pressure	Not available.
Vapour pressure at 50 °C	Not available.
Density	Not available.
Relative density	Not available.
Relative vapour density at 20 °C	Not available.
Particle characteristics	Not applicable.

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Oxidizing agent. amines.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral): Not classified (Based on available data, the classification criteria are not met).
Acute toxicity (dermal): Not classified (Based on available data, the classification criteria are not met).
Acute toxicity (inhalation): Not classified (Based on available data, the classification criteria are not met).

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane (1675-54-3)	
LD50 oral rat	15,000 mg/kg bodyweight
LD50 dermal rat	> 2,000 mg/kg bodyweight. Animal: Rat. Guideline: OECD Guideline 402 (Acute Dermal Toxicity). Guideline: EU Method B.3 (Acute Toxicity (Dermal)).
LD50 dermal rabbit	23,000 mg/kg

Reaction mass of ethylbenzene and m-xylene and p-xylene	
LD50 oral rat	3,523 mg/kg
LD50 dermal rabbit	12,126 mg/kg
LC50 Inhalation - Rat (Vapours)	27,124 mg/l/4h

Skin corrosion/irritation: Causes skin irritation.
pH: Not applicable.

Serious eye damage/irritation: Causes serious eye irritation.
pH: Not applicable.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified.

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

Carcinogenicity: Not classified.

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

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane (1675-54-3)	
NOAEL (chronic, oral, animal / male, 2 years)	15 mg/kg bodyweight Animal: Rat, Animal sex: Male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other.
NOAEL (chronic, oral, animal / female, 2 years)	100 mg/kg bodyweight Animal: Rat, Animal sex: Female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other.
IARC group	3 - Not classifiable.

Reproductive toxicity: Not classified.

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

STOT-single exposure: Not classified.

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

Reaction mass of ethylbenzene and m-xylene and p-xylene	
STOT-single exposure	May cause respiratory irritation.

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure: Not classified.

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

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane (1675-54-3)	
NOAEL (oral, rat, 90 days)	50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other.
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity).
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not classified.

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

11.2. Information on other hazards

Other information

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute): Not classified.
Hazardous to the aquatic environment, long–term (chronic): Toxic to aquatic life with long lasting effects.

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane (1675-54-3)	
LC50 - Fish [1]	2 mg/l LC50 96 h - fish [mg/l]
EC50 72h - Algae [1]	11 mg/l
EC50 72h - Algae [2]	> 11 mg/l Test organisms (species): Scenedesmus capricornutum
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic algae	4.2 mg/l

Reaction mass of ethylbenzene and m-xylene and p-xylene	
LC50 - Fish [1]	2.6 mg/l LC50 96h fish
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia

LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic algae	1.29 mg/l

12.2. Persistence and degradability

PRO-PRIME 203	
Persistence and degradability	May cause long-term adverse effects in the environment.

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane (1675-54-3)	
Persistence and degradability	Rapidly degradable.

Reaction mass of ethylbenzene and m-xylene and p-xylene	
Persistence and degradability	Rapidly degradable.

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
Persistence and degradability	Rapidly degradable.

12.3. Bioaccumulative potential

PRO-PRIME 203	
Bioaccumulative potential	Not established.

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane (1675-54-3)	
Partition coefficient n-octanol/water (Log Pow)	3.84 Source: HSDB.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Endocrine disrupting properties

No additional information available.

12.7. Other adverse effects

PRO-PRIME 203	
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local,regional, national and/or international regulation.
Additional information:	Handle empty containers with care because residual vapours are flammable.
Ecological waste information:	Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID.

14.1. UN number or ID number

UN-No. (ADR):	UN 1993.
UN-No. (IMDG):	UN 1993.
UN-No. (IATA):	UN 1993.
UN-No. (ADN):	Not regulated.
UN-No. (RID):	Not regulated.

14.2. UN proper shipping name

Proper Shipping Name (ADR):	FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IMDG):	FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IATA):	Flammable liquid, n.o.s.
Proper Shipping Name (ADN):	Not regulated.
Proper Shipping Name (RID):	Not regulated.
Transport document description (ADR):	UN 1993 FLAMMABLE LIQUID, N.O.S. Reaction mass of ethylbenzene and m-xylene and p-xylene, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS.
Transport document description (IMDG):	UN 1993 FLAMMABLE LIQUID, N.O.S. Reaction mass of ethylbenzene and m-xylene and p-xylene, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS.
Transport document description (IATA):	UN 1993 Flammable liquid, n.o.s. Reaction mass of ethylbenzene and m-xylene and p-xylene, 3, III, ENVIRONMENTALLY HAZARDOUS.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): 3
Danger labels (ADR): 3

IMDG

Transport hazard class(es) (IMDG): 3
Danger labels (IMDG): 3

IATA

Transport hazard class(es) (IATA): 3
Danger labels (IATA): 3

ADN

Transport hazard class(es) (ADN): Not regulated.

RID

Transport hazard class(es) (RID): Not regulated.

14.4. Packing group

Packing group (ADR):	III
Packing group (IMDG):	III
Packing group (IATA):	III
Packing group (ADN):	Not regulated.
Packing group (RID):	Not regulated.

14.5. Environmental hazards

Dangerous for the environment:	Yes.
Marine pollutant:	Yes.
EmS-No. (Fire):	F-E.
EmS-No. (Spillage):	S-E.
Other information:	No supplementary information available.

14.6. Special precautions for user

Overland transport

Classification code (ADR):	F1
Special provisions (ADR):	274, 601
Limited quantities (ADR):	5l
Excepted quantities (ADR):	E1
Packing instructions (ADR):	P001, IBC03, LP01, R001
Mixed packing provisions (ADR):	MP19
Transport category (ADR):	3
Special provisions for carriage - Packages (ADR):	V12
Special provisions for carriage - Operation (ADR):	S2
Hazard identification number (Kemler No.):	30
Orange plates:	30 1993
Tunnel restriction code (ADR):	D/E

Transport by sea

Special provisions (IMDG):	223, 274, 955
Limited quantities (IMDG):	5 L
Excepted quantities (IMDG):	E1
Packing instructions (IMDG):	LP01, P001
IBC packing instructions (IMDG):	IBC03
Tank instructions (IMDG):	T4
Tank special provisions (IMDG):	TP1, TP29

Stowage category (IMDG):	A

Air transport

PCA Excepted quantities (IATA):	E1
PCA Limited quantities (IATA):	Y344
PCA limited quantity max net quantity (IATA):	10 L
PCA packing instructions (IATA):	355
PCA max net quantity (IATA):	60 L
CAO packing instructions (IATA):	366
CAO max net quantity (IATA):	220 L
Special provisions (IATA):	A3
ERG code (IATA):	3 L

Inland waterway transport

Not regulated.

Rail transport

Not regulated.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)
Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions).
REACH Annex XIV (Authorisation List)
Contains no substance(s) listed on REACH Annex XIV (Authorisation List).
REACH Candidate List (SVHC)
Contains no substance on the REACH Candidate List.
PIC Regulation (Prior Informed Consent)
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).
POP Regulation (Persistent Organic Pollutants)
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).
Ozone Regulation (1005/2009)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer).
Council Regulation (EC) for the control of dual-use items
Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items.
Explosives Precursors Regulation (2019/1148)
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors).
Drug Precursors Regulation (273/2004)
Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Data sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information: None.

Full text of H- and EUH- statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
EUH205	Contains epoxy constituents. May produce an allergic reaction.

Safety Data Sheet (SDS), EU.
Region, GR.