

SILICONE_ACETIQUE_SANITAIRE_TRANS - 890400



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name : SILICONE_ACETIQUE_SANITAIRE_TRANS

Product code : 890400.

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

Silicone sealant

1.3. Details of the supplier of the safety data sheet

Registered company name : GEB.

Address : CS 62062.95972.ROISSY CDG CEDEX . France.

Telephone : 01 48 17 99 99. Fax : 01 48 17 98 00.

geb@geb.fr

www.geb.fr

1.4. Emergency telephone number : 01 45 42 59 59.

Association/Organisation : INRS.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).

May produce an allergic reaction (EUH208).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

The biocide is used to protect the product

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Additional labeling :

EUH208

Contains 4, 5- DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE. May produce an allergic reaction.

EUH208

Contains 2-OCTYL-2H-ISOTHIAZOL-3-ONE. May produce an allergic reaction.

Hazard statements :

H319

Causes serious eye irritation.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P280

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

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Precautionary statements - Response :

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

The mixture contains substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

N/A

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 64742-47-8 EC: 265-149-8 REACH: 649-422-00-2 DISTILLATS LEGRS (PETROLE), HYDROTRAITES	GHS08 Dgr Asp. Tox. 1, H304		20.00
CAS: 64742-46-7 EC: 265-148-2 REACH: 01-2119552497-29 DISTILLATS MOYENS (PETROLE) HYDROTRAITES	GHS08 Dgr Asp. Tox. 1, H304		20.00
CAS: 17689-77-9 EC: 241-677-4 REACH: 01-2119881778-15 ETHYLTRIACETOXYLSILANE	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 EUH:014		2.00
OLIGOMERES ETHYLACETOXYLSILANES ET METHYLACETOXYLSILANES	GHS05 Dgr Skin Corr. 1B, H314 Eye Dam. 1, H318		2.00
CAS: 4253-34-3 REACH: 01-2119962266-32 METHYLTRIACETOXYLSILANE	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Corr. 1C, H314		1.00
INDEX: 607-002-00-6 CAS: 64-19-7 EC: 200-580-7 REACH: 02-2119475328-30-XXXX ACETIC ACID	GHS02, GHS05 Dgr Flam. Liq. 3, H226 Skin Corr. 1A, H314	B [1]	0
CAS: 556-67-2 EC: 209-136-7 REACH: 01-2119529238-36-0002 OCTAMETHYLCYCLOTETRAILOXANE	GHS08, GHS02 Wng Flam. Liq. 3, H226 Repr. 2, H361f Aquatic Chronic 4, H413	[2] [6]	0.10
CAS: 540-97-6 EC: 208-762-8 REACH: 01-2119517435-42-XXXX DODECAMETHYLCYCLOHEXASILOXANE		[6]	0.10

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CAS: 64359-81-5 EC: 264-843-8 4, 5- DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE	GHS06, GHS05, GHS09 Dgr Skin Corr. 1B, H314 Skin Sens. 1, H317 Acute Tox. 2, H330 Aquatic Acute 1, H400 M Acute = 100		0.10
CAS: 26530-20-1 EC: 247-761-7 2-OCTYL-2H-ISOTHIAZOL-3-ONE	GHS06, GHS05, GHS09 Dgr Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1, H317 Acute Tox. 3, H331 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0.01

(Full text of H-phrases: see section 16)

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

[6] Substances of very high concern (SVHC).

Polydimethylsiloxane and filler and auxiliary and acetoxy silicone crosslinker

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist

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- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

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Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- European Union (2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
64-19-7	25	10	50	20	-

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-19-7	10 ppm	15 ppm			

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME :	Excess	Notes
64-19-7	10 ppm 25 mg/m ³		2(I)
26530-20-1	0,05 E mg/m ³		2(I)

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
64-19-7	-	-	10	25	-	-

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

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Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : Paste.

Important health, safety and environmental information

pH : Not relevant.

Boiling point/boiling range : Not relevant.

Flash point interval : Not relevant.

Vapour pressure (50°C) : Not relevant.

Density : > 1

Water solubility : Insoluble.

Melting point/melting range : Not relevant.

Self-ignition temperature : Not relevant.

Decomposition point/decomposition range : Not relevant.

9.2. Other information

solubility in water: hydrolytic decomposition occurs. p.H: Acidic reaction with water. Explosive limits of released acetic acid: 4 - 17%. flight.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

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11.1.1. Substances

Acute toxicity :

OCTAMETHYLCYCLOTETRASILOXANE (CAS: 556-67-2)
Inhalation route (n/a) : LC50 36

ETHYLTRIACETOXYSILANE (CAS: 17689-77-9)
Inhalation route (n/a) : LC50 = 251 mg/l
Duration of exposure : 4 h

DISTILLATS MOYENS (PETROLE) HYDROTRAITÉS (CAS: 64742-46-7)
Inhalation route (n/a) : LC50 > 5266 mg/l
Species : Rat

Respiratory or skin sensitisation :

METHYLTRIACETOXYSILANE (CAS: 4253-34-3)
Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity :

METHYLTRIACETOXYSILANE (CAS: 4253-34-3)
No mutagenic effect.

Mutagenesis (in vitro) : Negative.
Species : Mammalian Cell Line
OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Carcinogenicity :

OCTAMETHYLCYCLOTETRASILOXANE (CAS: 556-67-2)
Carcinogenicity Test : Negative.
No carcinogenic effect.
Species : Rat
OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicant :

OCTAMETHYLCYCLOTETRASILOXANE (CAS: 556-67-2)
Suspected of damaging fertility.
Study on fertility : Species : Rat
OECD Guideline 414 (Prenatal Developmental Toxicity Study)
Study on development : Species : Rat
OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

METHYLTRIACETOXYSILANE (CAS: 4253-34-3)
No toxic effect for reproduction
Study on development : Species : Rat
OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Specific target organ systemic toxicity - repeated exposure :

OCTAMETHYLCYCLOTETRASILOXANE (CAS: 556-67-2)
Dermal route : C = 960 mg/kg bodyweight/day
Species : Rabbit
Duration of exposure : 28 days

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OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Inhalation route : C 1.820

METHYLTRIACTOXYSILANE (CAS: 4253-34-3)

Oral route : C = 50 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 90 days
OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Inhalation route : C 0.56

11.1.2. Mixture

Skin corrosion/skin irritation :

Irritation : No observed effect.
Average score < 1.5

Serious damage to eyes/eye irritation :

Causes serious eye irritation.

Corneal haze : 2 <= Average score < 3 and effects totally reversible within 21 days of observation

Iritis : 1 <= Average score <= 1.5 and effects totally reversible within 21 days of observation

Conjunctival redness : Average score >= 2.5 and effects totally reversible within 21 days of observation

Conjunctival oedema : Average score >= 2 and effects totally reversible within 21 days of observation

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

DISTILLATS MOYENS (PETROLE) HYDROTRAITÉS (CAS: 64742-46-7)

Fish toxicity : LC50 > 1028 mg/l
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 3193 mg/l
Species : Others
Duration of exposure : 48 h

Aquatic plant toxicity : ECr50 > 10000 mg/l
Species : Others
Duration of exposure : 72 h

4, 5- DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE (CAS: 64359-81-5)

Fish toxicity : LC50 = 0.027 mg/l
Factor M = 10
Species : Oncorhynchus mykiss
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

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	NOEC = 0.00056 mg/l Species : Oncorhynchus mykiss OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)
Crustacean toxicity :	EC50 = 0.0052 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	NOEC = 0.00063 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	ECr50 = 0.0016 mg/l Species : Navicula pelliculosa Duration of exposure : 24 h OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC = 0.00034 mg/l Species : Navicula pelliculosa Duration of exposure : 24 h OECD Guideline 201 (Alga, Growth Inhibition Test)
OCTAMETHYLCYCLOTETRASILOXANE (CAS: 556-67-2)	
Fish toxicity :	LC50 >= 0.022 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h
	NOEC >= 0.0044 mg/l Species : Oncorhynchus mykiss
Crustacean toxicity :	EC50 >= 0.015 mg/l Species : Daphnia magna Duration of exposure : 48 h
	NOEC = 0.015 mg/l Species : Daphnia magna Duration of exposure : 21 days
Algae toxicity :	NOEC > 0.022 mg/l Duration of exposure : 96 h
METHYLTRIACETOXYSILANE (CAS: 4253-34-3)	
Fish toxicity :	LC50 > 100 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 100 mg/l Duration of exposure : 48 h
Aquatic plant toxicity :	NOEC = 660 mg/l Duration of exposure : 96 h

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12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

4, 5- DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE (CAS: 64359-81-5)

Biodegradability : Rapidly degradable.

DODECAMETHYLCYCLOHEXASILOXANE (CAS: 540-97-6)

Biodegradability : Non-rapidly degradable.

OCTAMETHYLCYCLOTETRAISILOXANE (CAS: 556-67-2)

Biodegradability : Non-rapidly degradable.

METHYLTRIACETOXYSILOXANE (CAS: 4253-34-3)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

DISTILLATS MOYENS (PETROLE) HYDROTRAITÉS (CAS: 64742-46-7)

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

OCTAMETHYLCYCLOTETRAISILOXANE (CAS: 556-67-2)

Bioaccumulation : BCF = 12400
Species : Pimephales promelas (Fish)

DODECAMETHYLCYCLOHEXASILOXANE (CAS: 540-97-6)

Octanol/water partition coefficient : log K_{ow} = 5.9

Bioaccumulation : BCF = 2860
OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

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SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/669 (ATP 11)

- Container information:

The mixture is contained in packaging that does not exceed 125 ml.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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H413 May cause long lasting harmful effects to aquatic life.
EUH014 Reacts violently with water.

Abbreviations :

CMR: Carcinogenic, mutagenic or reprotoxic.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.