

Safety Data Sheet - Great Britain (GB)

Astro Intu Mastic

UIC of product-type: INTUM

Revision 16 - 25th January 2024



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MESCENT ACOUSTIC ACRYLIC MAST

Astroflame (Fireseals) LTD : Unit 8 , I.O Centre : Stephenson Road : Segensworth : Fareham : PO15 5RU T - 01329 844500 : W - www.astroflame.com : E - sales@astroflame.com

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INTUMESCENT ACOUSTIC ACRYLIC MASTIC

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

1.1 Product identifier

Product form : Mixture Product Name : Astro Intu Mastic Type of product : Sealants Product group : Trade product Product Code : AFIM

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

1.2.1. Relevant identified uses

Main use category : Professional use Industrial/Professional use spec : For professional use only Use of substance/Mixture : Adhesives, sealants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company Name :	Astroflame (Fireseals) LTD
	Unit 8 , I.O Centre
	Stephenson Road
	Segensworth
	Fareham
	PO15 5RU
	United Kingdom

Tel Number : (0) 44 1329 844500

Email : sales@astroflame.com

1.4. Emergency telephone number

Tel Number :(0) 44 1329 844500 Language: English - Office hours 8am to 5:30pm GMT
Call 999 For Emergency. Call 111 For Non-Emergency medical advice.



Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

EUH-statements

EUH205 - Contains epoxy constituents. May produce an allergic reaction.
 EUH208 - Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one(2634-33-5), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
 EUH210 - Safety data sheet available on request.

2.3. Other hazards

Other hazards which do not result in classification : Dust formation. Contains no PBT/vPvB substances \geq 0.1% assessed in accordance with UK REACH Annex XIII

Section 3: Composition/information on ingredients

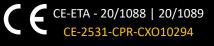
3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]		
Calcium carbonate	(CAS-No.) 471-34-1 (EC-No.) 207-439-9	30 – 50	Not classified		
Aluminium Hydroxide	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7 (REACH-no) 01-2119529246-39	10 - 30	Not classified		
Titanium Dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (EC Index-No.) 022-006-00-2 (REACH-no) 01-2119489379-17	< 1	Carc. 2, H351		
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	<1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1)		
reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(CAS-No.) 55965-84-9 (EC Index-No.) 613-167-00-5	<1	Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Oral), H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)		





Name	Product identifier	Specific concentration limits
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothi- azolin-3-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	(0.05 ≤C ≤ 100) Skin Sens. 1, H317
reaction mass of 5-chloro-2-methyl-2H-iso- thiazol-3-one and 2-methyl-2H-isothiazol-3- one (3:1)	(CAS-No.) 55965-84-9 (EC Index-No.) 613-167-00-5	($0.0015 \le C \le 100$) Skin Sens. 1A, H317 ($0.06 \le C < 0.6$) Skin Irrit. 2, H315 ($0.06 \le C < 0.6$) Eye Irrit. 2, H319 ($0.6 \le C \le 100$) Skin Corr. 1C, H314 ($0.6 \le C \le 100$) Eye Dam. 1, H318

Comments

: Titanium dioxide

Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter \leq 10 $\mu m.$

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 after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 Remove person to fresh air and keep comfortable for breathin Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptons and effects , both	cute and delayed
Symptoms/effects	: Immediate effects can be expected after short term exposit
Symptoms/effects after inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Symptoms/effects after skin contact	: May cause slight irritation to the skin.
Symptoms/effects after eye contact	: May cause minor eye irritation.
Symptoms/effects after ingestion	: May cause a light irritation of the linings of the mouth,

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

Treat symptomatically.

Section 5: Fire-Fighting measures					
5.1. Extinguishing media					
Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.					
5.2. Special hazards arising from the substance or mixture					
Hazardous decomposition products in case of fire	: Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Toxic fumes may				

throat, and gastrointestinal tract.

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be released.

PASSIVE FIRE STOP SYSTEMS

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

:

5.3. Advice for fire - fighters

Protection during firefighting

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6: Accidental release measures					
6.1. Personal precautions, protective equipment and emergency procedures					
6.1.1. For non-emergency personnel					
Emergency procedures	:	Ventilate spillage area.			
6.1.2. For non-emergency personnel					
Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/ personal protection".			
6.2. Environmental precautions					
Avoid release to the environme	nt.				
6.3. Methods and materials for contain	inmen	t and cleaning up			
Methods for cleaning up	:	Ventilate spillage area. Shovel or sweep up and put in a closed container for disposal. Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Prevent the product from entering drains or confined areas.			
Other information	:	Dispose of materials or solid residues at an authorized site.			
6.4. Reference to other sections					
For further information refer to personal protection".	secti	on 13. For further information refer to section 8: "Exposure controls/			

Section 7: Handling and storage	2	
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	:	Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including an	ny incoi	npatibilities
Storage conditions Incompatible products	:	Store in a well-ventilated place. Keep cool. Strong acids.
7.3. Specific end use(s)		

No additional information available



Section 8: Control parameters/personal protection

8.1. Control parameters

Calcium carbonate (471-34-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Calcium carbonate (Limestone, Marble)
WEL TWA (OEL TWA) [1]	10 mg/m ³ total inhalable 4 mg/m ³ respirable
WEL STEL (OEL STEL)	4 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Aluminium Hydroxide (21645-51-2)

United Kingdom - Occupational Exposure Limits	
	10 mg/m ³ total inhalable 4 mg/m ³ respirable

Titanium Dioxide (13463-67-7)	
United Kingdom - Occupational Exposure Limits	
Local name	Titanium dioxide
WEL TWA (OEL TWA) [1]	10 mg/m ³ total inhalable 4 mg/m ³ respirable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Dust formation: dust mask. Gloves.

Hand protection:					
Protective gloves					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves					EN ISO 374

Eye protection:			
Safety glasses			
Туре	Field of application	Characteristics	Standard
Safety glasses			EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment



Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

9: Physical and chemical properties

dour: acrylic-lidour threshold: No dataH: 6.5 - 9elative evaporation rate (butylacetate=1): No dataMelting point: Not appreezing point: No dataoiling point: No datalash point: No data.uto-ignition temperature: No data	
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lash point: No datauto-ignition temperature: No data	available
uto-ignition temperature : No data	available
5	available
	available
ecomposition temperature : No data	available
lammability : Not app	licable
apour pressure : No data	available
elative vapour density at 20 °C : No data	available
elative density : No data	available
ensity : 1.56 – 1.	.66 g/cm³
olubility : No data	available
artition coefficient n-octanol/water (Log Pow) : No data	available
iscosity, kinematic : No data	available
iscosity, dynamic : 300000	– 900000 сР
xplosive properties : No data	available
ixidising properties : No data	available
xplosive limits : No data	

9.2. Other information

No additional information available

Section 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.



10.2. Chemical Stability

Stable under normal conditions.

10.3. Possibility of hazerdous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Oxidizing agent. Strong acids.

10.6. Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological information

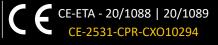
11.1. Information on toxicological effects		
Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Calcium carbonate (471-34-1)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxici- ty - Fixed Dose Procedure)
LC50 Inhalation - Rat	> 3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guide- line: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

Aluminium Hydroxide (21645-51-2)			
LD50 oral rat > 2000 mg/kg bodyweight			
LC50 Inhalation - Rat	> 2.3 mg/l		

Titanium Dioxide (13463-67-7)				
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)			
LC50 Inhalation - Rat	> 6.8 mg/l/4h			
Skin corrosion/irritation	: Not classified pH: 6.5 – 9			
Serious eye damage/irritation	: Not classified pH: 6.5 – 9			
Respiratory or skin sensitisation	: Not classified			
Germ cell mutagenicity	: Not classified			
Carcinogenicity	: Not classified			
Reproductive toxicity	: Not classified			





Aluminium Hydroxide (21645-51-2)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight
STOT-single exposure STOT-repeated exposure	: Not classified : Not classified
Calcium carbonate (471-34-1)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Aspiration hazard	: Not classified
Section 12: Ecological informati	ion
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long- term adverse effects in the environment.
Hazardous to the aquatic environme (acute)	ent, short-term: Not classified
Hazardous to the aquatic environme (chronic) Not rapidly degradable	ent, short-term: Not classified

Calcium carbonate (471-34-1)	
LC50 - Fish [1]	> 10000
EC50 - Crustacea [1]	> 1000
EC50 72h - Algae [1]	> 200 mg/l

Titanium Dioxide (13463-67-7)	
LC50 - Fish [1]	> 1000 mg/l
EC50 - Crustacea [1]	> 1000 mg/l
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and Degradability

No additional information available

12.3. Bioaccumulative potential		
Astro Intu Mastic		
Bioaccumulative potential	Not potentially bioaccumulable.	
Calcium carbonate (471-34-1)		
Partition coefficient n-octanol/water (Log Pow)	<1	

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12.4. Mobility in soil

Astro Intu Mastic

Ecology - soil

Product adsorbs onto the soil. Liquid product : Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

Astro Intu Mastic

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

Section 13: Disposal considerations

13.1. Waste treatment methods		
Regional legislation (waste)	:	Disposal must be done according to official regulations.
Waste treatment methods	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	:	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging contaminated by the product : Disposal must be done according to official regulations. Non-contaminated packages may be recycled.

Section 14: Transport information

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

ADR	IMDG	ΙΑΤΑ	ADN	RID		
14.1. UN number						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.2. UN proper shipping name						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.3. Transport hazard class(es)						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.4. Packing group						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.5. Environmental hazards						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
No supplementary information available						



14.6. Special precautions for user

Overland transport Not applicable Transport by sea Not applicable Air transport Not applicable Inland waterway transport Not applicable Rail transport Not applicable

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

Not applicable

Section 15: Regulatory information

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

15.1.1. Relevant EU provisions transposed through retained EU law

Contains no UK REACH substances with Annex XVII restrictions

Contains no substance on the UK REACH candidate list

Contains no UK REACH Annex XIV substances that are subject to authorisation:

Contains no substance subject to GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation

Contains no substance subject to Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier





Section 16: Other information

Indication o	f changes:			
1.2	Additional info	ormation	Modified	Modification of use descriptor
2.2	EUH-statements		Added	EUH205 Added
2.3	Additional information		Added	Added information regarding dust formation
3.2	Composition/information on ingredients		Added	Added information regarding isothiazolinones and Titanium dioxide
4.2	Symptoms/effects after eye contact		Modified	
4.2	Symptoms/effects after ingestion		Modified	
4.2	Symptoms/effects after skin contact		Modified	
5.2	Additional information		Added	Added information regarding pyrolysis products
6.3	Additional information		Added	Added information regarding the disposal of solid spills
8.1	Additional info	ormation	Added	Titanium Dioxide WELs added
8.2	Additional info	ormation	Added	Added required EN standards for PPE
12.4	Mobility in soi	I	Modified	Added information regarding liquid product being absorbed into soil
13.1	Additional info	ormation	Added	EU LoW code and additional disposal information
ADN ADR			_	International Carriage of Dangerous Goods by Inland Waterways
ADR		European Agreement concerning the International Carriage of Dangerous Goods by Road		
ATE		Acute Toxicity Estimate		
BLV		Biological limit value		
CAS-No.		Chemical Abstract Service number		
CLP		Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008		
DMEL		Derived Minimal Effect level		
DNEL		Derived-No Effect Level		
EC50		Median effective concentration		
EC-No.		European Community number		
EN		European Standard		
ΙΑΤΑ		International Air Transport Association		
IMDG		International Maritime Dangerous Goods		
LC50		Median lethal concentration		
LD50		Median lethal dose		
LOAEL		Lowest Observed Adverse Effect Level		
NOAEC		No-Observed Adverse Effect Concentration		
NOAEL		No-Observed Adverse Effect Level		
NOEC		No-Observed Effect Concentration		
OEL		Occupational Exposure Limit		
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Persistent Bioaccumulative Toxic

Predicted No-Effect Concentration

Page 11

PBT

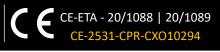
PNEC

REACH

Astroflame (Fireseals) Ltd

Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006





SDSSafety Data SheevPvBVery Persistent aWGKWater Hazard ClFull text of H- and EUH-statements:Acute Tox. 2 (Dermal)Acute toxicity (dAcute Tox. 2 (Inhalation)Acute toxicity (inAcute Tox. 3 (Oral)Acute toxicity (oAcute Tox. 4 (Oral)	nd Very Bioaccumulative ass ermal), Category 2 hal.), Category 2 ral), Category 3 ral), Category 3 ral), Category 4 e aquatic environment — Acute Hazard, Category 1 e aquatic environment — Chronic Hazard, Category 1 Category 2
vPvBVery Persistent aWGKWater Hazard ClFull text of H- and EUH-statements:Acute Tox. 2 (Dermal)Acute toxicity (dAcute Tox. 2 (Inhalation)Acute toxicity (inAcute Tox. 3 (Oral)Acute toxicity (oAcute Tox. 4 (Oral)Acute toxicity (o	nd Very Bioaccumulative ass ermal), Category 2 hal.), Category 2 ral), Category 3 ral), Category 3 ral), Category 4 e aquatic environment — Acute Hazard, Category 1 e aquatic environment — Chronic Hazard, Category 1 Category 2
WGKWater Hazard ClFull text of H- and EUH-statements:Acute Tox. 2 (Dermal)Acute toxicity (dAcute Tox. 2 (Inhalation)Acute toxicity (inAcute Tox. 3 (Oral)Acute toxicity (oAcute Tox. 4 (Oral)Acute toxicity (o	ermal), Category 2 hal.), Category 2 ral), Category 3 ral), Category 4 e aquatic environment — Acute Hazard, Category 1 e aquatic environment — Chronic Hazard, Category 1 Category 2
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	e aquatic environment — Acute Hazard, Category 1 e aquatic environment — Chronic Hazard, Category 1 Category 2
Aquatic Acute 1 Hazardous to the	e aquatic environment — Chronic Hazard, Category 1 Category 2
	Category 2
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Carc. 2 Carcinogenicity,	anatitu anta. May muadu an an allansia na ati an
EUH205 Contains epoxy of	constituents. May produce an allergic reaction.
	nzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one(2634-33-5), reaction mass of 5-chloro- chiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210 Safety data shee	t available on request.
Eye Dam. 1 Serious eye dam	age/eye irritation, Category 1
Eye Irrit. 2 Serious eye dam	age/eye irritation, Category 2
H301 Toxic if swallowe	d.
H302 Harmful if swalld	wed.
H310 Fatal in contact v	vith skin.
H314 Causes severe sk	in burns and eye damage.
H315 Causes skin irrita	tion.
H317 May cause an all	ergic skin reaction.
H318 Causes serious e	ye damage.
H319 Causes serious e	ye irritation.
H330 Fatal if inhaled.	
H351 Suspected of cau	ising cancer.
H400 Very toxic to aqu	atic life.
H410 Very toxic to aqu	atic life with long lasting effects.
Skin Corr. 1C Skin corrosion/ir	ritation, Category 1, Sub-Category 1C
Skin Irrit. 2 Skin corrosion/ir	ritation, Category 2
Skin Sens. 1 Skin sensitisation	n, Category 1
Skin Sens. 1A Skin sensitisation	n, category 1A

Safety Data Sheet (SDS) CUSTOM 2020/878

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The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product based on the products limitation of applications and that the product is fit for purpose for their intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROFLAME (FIRE SEALS) LTD, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice. If you are in any doubt as to the suitability of this product for your intended application please contact our technical team on 01329 844500 or email sales@astroflame.com and we will contact you.

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Page 12

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