

Printing date 04/11/2023

Version number 1

Reviewed on 03/21/2023

### **1** Identification

- · Product identifier
  - · Product number HUM5AC64
  - · Trade name: WB UV CLEAR 20 SHEEN CONVERTOR

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\cdot Application of the substance / the mixture For professional use
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### · Details of the supplier of the safety data sheet

- Manufacturer/Supplier: IVM Chemicals Srl
   Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441
- Information department: Environmental Health and safety office hseoffice @ivmchemicals.com
- Emergency telephone number:
- ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

### 2 Hazard(s) identification

### · Classification of the substance or mixture

Flammable Liquids 4 H227 Combustible liquid. Flam. Liq. 4

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

#### · Label elements

- · GHS label elements
  - The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



· Signal word Warning

- · Hazard-determining components of labeling:
- 2 propenoic acid, reaction products with dipentaerythritol PHENYL ETHYL PHOSPHATE
- 2-methyl-2H-isothiazol-3-one
- · Hazard statements
- H227 Combustible liquid. Flam. Liq. 4
- H317 May cause an allergic skin reaction.
- · Precautionary statements
- P210 Keep away from flames and hot surfaces. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P363 Wash contaminated clothing before reuse.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.
- · Classification system:

· NFPA ratings (scale 0 - 4)



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· HMIS-ratin	gs (scale 0 - 4)	(Contd. of pag
HEALTH	• Health = $0$	
FIRE	2 Fire = 2	
REACTIVITY	Reactivity = 0	
3 Compositio	on/information on ingredients	
. Chemical cha	racterization: Mixtures	
	Mixture: consisting of the following components.	
· Dangerous	components:	
	2 propenoic acid, reaction products with dipentaerythritol	2.5-4.99%
	Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1A, H317	
	Aquatic Acute 3, H402; Aquatic Chronic 3, H412	
111-76-2	2-butoxyethanol	1-2.49%
	Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319	
	Flammable Liquids 4, H227	
84434-11-7	PHENYL ETHYL PHOSPHATE	1-2.49%
	Aquatic Chronic 2, H411 Sensitization - Skin 1B, H317	
121-44-8	triethylamine	≥0.5-<1%
	<ul> <li>Flammable Liquids 2, H225</li> <li>Acute Toxicity - Dermal 3, H311; Acute Toxicity - Inhalation 3, H331</li> </ul>	
	Skin Corrosion 1A, H314	
	Acute Toxicity - Oral 4, H302	
34590-94-8	(2-methoxymethylethoxy)propanol	<1%
	Flammable Liquids 4, H227	
112-34-5	2-(2-butoxyethoxy)ethanol	<0.5%
	🚸 Eye Irritation 2A, H319	
2682-20-4	2-methyl-2H-isothiazol-3-one	≥0.0015 <b>-</b> <0.01%
	Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 3, H311; Acute Toxicity - Inhalation 3, H331	
	<ul> <li>Skin Corrosion 1B, H314; Eye Damage 1, H318</li> <li>Sensitization - Skin 1, H317</li> </ul>	
55965-84-9	a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)	≥0.00025-<0.0015
	Acute Toxicity - Oral 3, H301; Acute Toxicity - Dermal 2, H310; Acute Toxicity - Inhalation 2, H330	
	Skin Corrosion 1B, H314 Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410	
	( <i>M</i> =100) (♪ Sensitization - Skin 1A, H317	
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### 4 First-aid measures

#### · Description of first aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

personal protective equipment for first aid responders is recommended. (please see section 8) · *After inhalation:* 

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
  - Most important symptoms and effects, both acute and delayed Allergic reactions
  - For symptoms and effects caused by substances, refer to Section 11.
  - · Indication of any immediate medical attention and special treatment needed
  - No further relevant information available.

### 5 Fire-fighting measures

#### · Extinguishing media

- · Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents:
- Do not use a jet water stream as it may scatter and spread fire.

## · Special hazards arising from the substance or mixture

In case of fire, the following can be released: Nitrogen oxides (NOx) Carbon monoxide (CO)

### Advice for firefighters

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.

· Protective equipment:

Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

## 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
   Wear protective equipment. Keep unprotected persons away.
   Ensure adequate ventilation
   Keep away from ignition sources

   Environmental precautions:

   Dilute with plenty of water.
   Do not allow to enter sewers/ surface or ground water.

   Methods and material for containment and cleaning up:

   Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
   Dispose contaminated material as waste according to Section 13.
- Ensure adequate ventilation.

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	to other sections	
	7 for information on safe handling.	
	8 for information on personal protection equipment.	
	13 for disposal information. Action Criteria for Chemicals	
· PAC-1:		
111-76-2	2-butoxyethanol	60 ppm
7631-86-9	silicon dioxide, chemically prepared	18 mg/m <sup>3</sup>
121-44-8	triethylamine	1 ppm
34590-94-8	(2-methoxymethylethoxy)propanol	150 ppm
68439-49-6	c16-18 alcohols ethoxylated	3.8 mg/m <sup>3</sup>
112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm
· PAC-2:		
111-76-2	2-butoxyethanol	120 ppm
7631-86-9	silicon dioxide, chemically prepared	740 mg/m <sup>3</sup>
121-44-8	triethylamine	170 ppm
34590-94-8	(2-methoxymethylethoxy)propanol	1700* ppm
68439-49-6	c16-18 alcohols ethoxylated	42 mg/m <sup>3</sup>
112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
· PAC-3:		
111-76-2 2-butoxyethanol 7		700 ppm
7631-86-9	86-9 silicon dioxide, chemically prepared 4,	
121-44-8	triethylamine	1,000 ppm
34590-94-8	-94-8 (2-methoxymethylethoxy)propanol 990	
68439-49-6	c16-18 alcohols ethoxylated	250 mg/m <sup>3</sup>
112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm

### 7 Handling and storage

- · Handling:
  - · Precautions for safe handling
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
  - Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
- · Conditions for safe storage, including any incompatibilities
  - · Storage:
    - Requirements to be met by storerooms and receptacles:
    - Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods.
    - In cases where there is no reported expiration date , it means that the product must be used within 8 months.
    - Take on temperature greater than 5 ° C
    - · Information about storage in one common storage facility: Not required.
  - · Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) Those typical of the product and the instructions in the data sheet if required.

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8 Exp	osure controls/personal protection
· Addi	itional information about design of technical systems: No further data; see item 7.
	trol parameters
T. Ot	omponents with limit values that require monitoring at the workplace: he following constituents are the only constituents of the product which have a PEL, TLV or ther recommended exposure limit. t this time, the other constituents have no known exposure limits.
	76-2 2-butoxyethanol
PEL	Long-term value: 240 mg/m³, 50 ppm Skin
REL	Long-term value: 24 mg/m³, 5 ppm Skin
TLV	Long-term value: 20 ppm BEI, A3
121-	44-8 triethylamine
PEL	Long-term value: 100 mg/m³, 25 ppm
TLV	Short-term value: 1 ppm Long-term value: 0.5 ppm Skin, A4
3459	0-94-8 (2-methoxymethylethoxy)propanol
PEL	Long-term value: 600 mg/m³, 100 ppm Skin
REL	Short-term value: 900 mg/m³, 150 ppm Long-term value: 600 mg/m³, 100 ppm Skin
TLV	Long-term value: 50 ppm
112-:	34-5 2-(2-butoxyethoxy)ethanol
TLV	Long-term value: 10* ppm *Inhalable fraction and vapor
	• <i>Regulatory information</i> PEL: Guide to Occupational Exposure Values (OSHA PELs) REL: Guide to Occupational Exposure Values (NIOSH RELs) TLV: Guide to Occupational Exposure Values (TLV)
	· Ingredients with biological limit values:
	76-2 2-butoxyethanol
	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis)
	• Regulatory information BEI: Guide to Occupational Exposure Values (BEI) • Additional information: The lists that were valid during the creation were used as basis.
· Expo	osure controls
·Po	ersonal protective equipment: • General protective and hygienic measures: Immediately remove all soiled and contaminated clothing.
	Wash hands before breaks and at the end of work.

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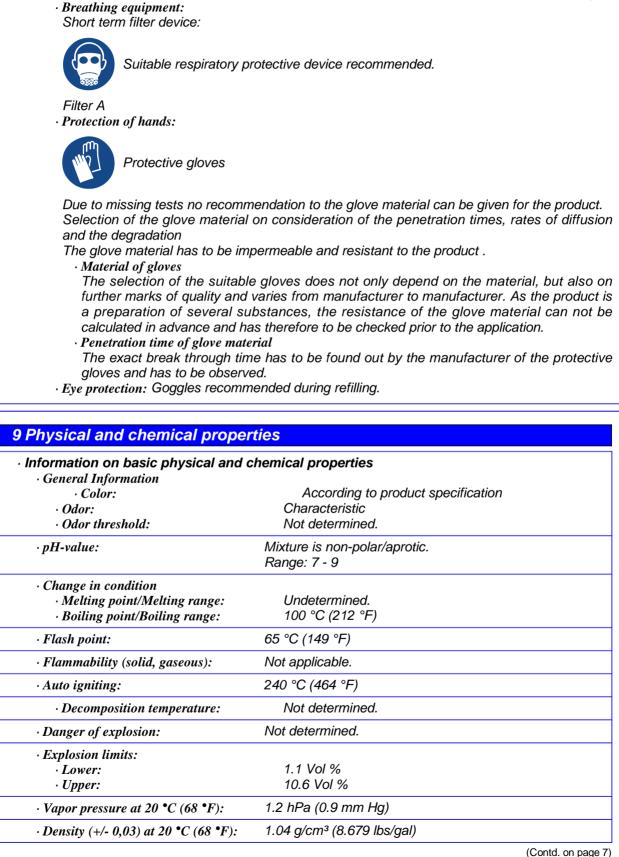
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· Relative density	Not determined.	
· Vapor density	Not determined.	
• Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
Water:	Fully miscible.	
· Partition coefficient (n-octanol/wat	er): Not determined.	
· Viscosity:		
· Dynamic:	Not determined.	
• <i>Kinematic at 20</i> • <i>C</i> (68 • <i>F</i> ):	60 s (ISO 6 mm)	
• Oxidising properties:	N.A.	
· Solvent content:		
· Water:	67.4 %	
· VOC content:	2.39 %	
	24.8 g/l / 0.21 lb/gal	
· Solids content:	30.2 %	
Other information (HAPS)		
121-44-8 triethylamine		≥0.5-<19
112-34-5 2-(2-butoxyethoxy)ethano	I	<0.5%
79-10-7 acrylic acid		<0.01%

## 10 Stability and reactivity

- · Reactivity typical of the product as indicated in the data sheet
- **Chemical stability** The product is stable in normal conditions of storage and use recommended • Thermal decomposition / conditions to be avoided:
  - No decomposition if used and stored according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: Acids, alkalis and oxidizing agents
- · Hazardous decomposition products: No dangerous decomposition products known.

### **11 Toxicological information**

### · Information on toxicological effects

• Acute toxicity:

· LD/LC50 values that are relevant for classification:			
ATE (Acı	ite Toxicit	y Estimate)	
Oral	LD50	92,308 mg/kg	
Dermal	LD50	105,560 mg/kg	
Inhalative	LC50/4 h	593 mg/l (mouse)	
1384855-	91-7 2 pro	penoic acid, reaction products with dipentaerythritol	
Oral	LD50	2,001 mg/kg (mouse)	
Dermal	LD50	2,001 mg/kg (rabbit)	
111-76-2	2-butoxye	thanol	
Oral	LD50	1,200 mg/kg (ATE)	
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		1,414 mg/kg (mouse)	
Dermal	LD50	2,001 mg/kg (rab)	
	LC50/4 h	5 ( )	
<b>121-44-8</b> t	triethylam		
Oral	LD50	730 mg/kg (mouse)	
Dermal	LD50	580 mg/kg (rabbit)	
Inhalative	LC50/4 h	10.9 mg/l (mouse)	
34590-94-	-8 (2-meth	oxymethylethoxy)propanol	
Oral	LD50	5,135 mg/kg (mouse)	
Dermal	LD50	19,020 mg/kg (rabbit)	
112-34-5	2-(2-butox	yethoxy)ethanol	
Oral	LD50	6,600 mg/kg (mouse)	
Dermal	LD50	2,764 mg/kg (rabbit)	
2682-20-4	2-methyl	-2H-isothiazol-3-one	
Oral	LD50	200 mg/kg (mouse)	
Dermal	LD50	400 mg/kg (mouse)	
Inhalative	LC50/4 h	0.53 mg/l (mouse)	
55965-84-	-9 a mixtu methyl	re of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2- 2 H -isothiazol-3-one [EC No 220-239-6] (3:1)	
Oral	LD50	64 mg/kg (mouse)	
Dermal	LD50	87.12 mg/kg (mouse)	
• c • c • Sen: • Additio Irritant May ca • Care	<ul> <li>Primary irritant effect:         <ul> <li>on the skin: No irritant effect.</li> <li>on the eye: No irritating effect.</li> <li>Sensitization: Sensitization possible through skin contact.</li> </ul> </li> <li>Additional toxicological information:         <ul> <li>Irritant</li> <li>May cause an allergic skin reaction.</li> <li>Carcinogenic categories</li> </ul> </li> </ul>		
	,	rnational Agency for Research on Cancer - Cl. 1 and 2)	
	None of the ingredients is listed. • NTP (National Toxicology Program)		
		nts is listed.	
		Occupational Safety & Health Administration)	
	None of the ingredients is listed.		
12 Ecologi	cal infor	mation	
	· toricity.		
1 yuuu	· Aquatic toxicity:		

1384855-91-7 2 propenoic acid, reaction products with dipentaerythritol	
EC50	101 mg/l (algae) (72 h)
	35 mg/l (daphnia) (48 h)
LC50 (96h)	13 mg/l (Fish)
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	butoxyethanol
EC50	1,840 mg/l (algae) (72h)
	1,550 mg/l (daphnia) (48h)
LC50 (96h)	1,474 mg/l (Fish)
121-44-8 tri	ethylamine
EC50	8 mg/l (algae) (72 h)
	17 mg/l (daphnia) (48 h)
LC50 (96h)	36 mg/l (Fish)
34590-94-8	(2-methoxymethylethoxy)propanol
EC50	970 mg/l (algae) (72 h)
	1,919 mg/l (daphnia) (48 h)
LC50 (96h)	1,001 mg/l (Fish)
112-34-5 2-	(2-butoxyethoxy)ethanol
EC50	1,001 mg/l (daphnia) (48 h)
LC50 (96h)	1,300 mg/l (Leuciscus idus melanotus)
	a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2- methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)
EC50	0.027 mg/l (algae) (72 h)
	0.16 mg/l (daphnia) (48 h)
LC50 (96h)	0.19 mg/l (Fish)
· Persistence	e and degradability No further relevant information available.
· Substance	es Easily biodegradable
111-76-2 2	-butoxyethanol .
· General 1	ecological information: notes: azard class 1 (Self-assessment): slightly hazardous for water
Do not a sewage .	llow undiluted product or large quantities of it to reach ground water, water course on system.

· Other adverse effects No further relevant information available.

## **13 Disposal considerations**

### · Waste treatment methods

· Recommendation:

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

Hand over to hazardous waste disposers.

Dispose of contents and container in accordance with local state and federal regulations.

· Uncleaned packagings:

- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

### 14 Transport information

· UN-Number

· DOT, IMDG, IATA

Not applicable

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· Note	Check viscosity and flash point at section 9
UN proper shipping name	
· DOT, IMDG, IATA	Not applicable
Transport hazard class(es)	
· DOT, ADR/RID, ADN, IMDG, IATA	
· Class	Not applicable
Packing group	
· DOT, IMDG, IATA	Not applicable
Environmental hazards:	
• Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex	x II of
MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Not applicable

## 15 Regulatory information

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

Various	regulations
vurious	regulations

· SARA

None of t	he ingredients is listed.	
	Section 313 (Specific toxic chemical listings) :	
111-76-2	2-butoxyethanol	1-2.49%
121-44-8	triethylamine	≥0.5-<19
112-34-5	2-(2-butoxyethoxy)ethanol	<0.5%
79-10-7	acrylic acid	<0.01%
· TS	CA (Toxic Substances Control Act):	
All compo	onents have the value ACTIVE.	
	Hazardous Air Pollutants	
121-44-8	triethylamine	
79-10-7	acrylic acid	
· Pro	position 65	
	Chemicals known to cause cancer:	
None of t	he ingredients is listed.	
	Chemicals known to cause reproductive toxicity for females:	
1589-47-	5 2-methoxypropanol	<0.01%
	Chemicals known to cause reproductive toxicity for males:	
None of t	he ingredients is listed.	
	Chemicals known to cause developmental toxicity:	
None of t	he ingredients is listed.	



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· Car	cinogenic categories		
•	EPA (Environmental Protection Agency)		
111-76-2	2-butoxyethanol	NL 1-2.4	49%
	TLV (Threshold Limit Value)	<u> </u>	
111-76-2	2-butoxyethanol		AЗ
121-44-8	triethylamine		A4
79-10-7	acrylic acid		A4
· .	NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of t	ne ingredients is listed.		

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: IVM Chemicals Srl

· Contact: See emergency phone · Date of preparation / last revision 04/11/2023 · Abbreviations and acronvms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit Flammable Liquids 2: Flammable liquids - Category 2 Flammable Liquids 4: Flammable liquids - Category 4 Acute Toxicity - Oral 4: Acute toxicity - Category 4 Acute Toxicity - Dermal 2: Acute toxicity - Category 2 Acute Toxicity - Dermal 3: Acute toxicity - Category 3 Skin Corrosion 1A: Skin corrosion/irritation - Category 1A Skin Corrosion 1B: Skin corrosion/irritation - Category 1B Skin Irritation 2: Skin corrosion/irritation - Category 2 Eye Damage 1: Serious eye damage/eye irritation - Category 1 Eve Irritation 2A: Serious eve damage/eve irritation - Category 2A Sensitization - Skin 1: Skin sensitisation - Category 1 Sensitization - Skin 1A: Skin sensitisation - Category 1A Sensitization - Skin 1B: Skin sensitisation - Category 1B Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 Sources REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and following amendments (Contd. on page 12)

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Agency ECHA web site INRS Fiche Toxicologique IARC International agency for research on cancer •\* Data compared to the previous version altered.