

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Ref.: Periodic review of SDS 01/31/2023
Date of issue: 11/10/2014 Revision date: 1/31/2020 Supersedes: 8/29/2019 Version: 2.6

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

#### 1.1. Product identifier

· Mixture Product form

Product name : Rapid Cleanse (New Chelating Agent) WP 1920

Product code : WP 1920

Type of product : Aqueous mixture based on :Flocculant, Chelating agent, Non ionic surfactant, anionic

surfactants

Product group Blend

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

#### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Professional use, Consumer use

Industrial/Professional use spec : Industrial

Use of the substance/mixture : Cleaner for central heating systems

#### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Wessex Chemical Factors Ltd

9 Crane Way, Woolsbridge Industrial Park,

Three Legged Cross, Wimborne, Dorset

BH21 6FA - United Kingdom

T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863

www.wessexchemicalfactors.co.uk

E-mail address of competent person responsible for the SDS: info@wessexchemicalfactors.co.uk

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.)

+44 (0) 7973629367 (Out of hours emergency number)

## **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

May be corrosive to metals.

#### 2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

#### 2.3. Other hazards

No additional information available

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## **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]
glutamic acid, N,N-diacetic acid, tetrasodium salt	(CAS-No.) 51981-21-6 (EC-No.) 257-573-7 (REACH-no) 01-2119493601-38- XXXX	5 – 20	Not classified
sodium carbonate	(CAS-No.) 497-19-8 (EC-No.) 207-838-8 (EC Index-No.) 011-005-00-2 (REACH-no) 01-2119485498-19- XXXX	1 – 3	Eye Irrit. 2, H319
sodium nitrite	(CAS-No.) 7632-00-0 (EC-No.) 231-555-9 (EC Index-No.) 007-010-00-4 (REACH-no) 01-2119471836-27- XXXX	1 – 3	Ox. Sol. 3, H272 Acute Tox. 3 (Oral), H301 Eye Irrit. 2, H319 Aquatic Acute 1, H400
aryl ether phosphate ester, potassium salt	(CAS-No.) 72283-31-9	0.1 – 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319
sodium N-lauroylsarcosinate	(CAS-No.) 137-16-6	0.1 – 1	Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318
disodium metasilicate	(CAS-No.) 6834-92-0 (EC-No.) 229-912-9 (EC Index-No.) 014-010-00-8	0.1 – 1	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
sodium xylene sulphonate	(CAS-No.) 1300-72-7 (EC-No.) 215-090-9 (REACH-no) 01-2119513350-56-0001	< 0.1	Eye Irrit. 2, H319
sodium sulphamidate	(CAS-No.) 13845-18-6 (EC-No.) 237-572-8	< 0.1	Not classified
disodium adipate	(CAS-No.) 7486-38-6 (EC-No.) 231-293-5	< 0.1	Not classified

Full text of H-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 : Remove person to fresh air and keep comfortable for breathing. Allow affected person to

breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water,

followed by warm water rinse. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

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

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

Symptoms/effects after eye contact : Slight eye irritant upon direct contact.

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Sand. Water spray. Dry powder.

Foam. Carbon dioxide.

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

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 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.

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. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew

with proper protection. For further information refer to section 8: "Exposure

controls/personal protection".

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

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

#### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or

diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Provide

good ventilation in process area to prevent formation of vapour.

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Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Do not eat, drink or smoke when using this product.

Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources.

Keep container closed when not in use. Store in corrosive resistant container with a

resistant inner liner. Keep only in original container.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Light metals (AI, Zn).

#### 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

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment:

Use appropriate personal protection equipment (PPE). Avoid all unnecessary exposure. Safety glasses. Gloves.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or safety glasses

## Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

No special protection required where adequate ventilation is maintained

## Personal protective equipment symbol(s):





#### **Environmental exposure controls:**

Avoid release to the environment.

#### 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

Appearance : Colorless to pale yellow liquid.

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Colour : Colourless. light yellow.

Odour : Neutral.

Odour threshold : No data available Hq : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : Non flammable. : No data available Vapour pressure Relative vapour density at 20 °C No data available Relative density : No data available Density : 1.138 g/ml Solubility : soluble in water.

Partition coefficient n-octanol/water (Log Pow)

Viscosity, kinematic

Viscosity, dynamic

Explosive properties

Oxidising properties

Explosive limits

Soluble in water.

No data available

No data available

No data available

No data available

#### 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 hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases. Light metals (Al, Zn).

## 10.6. Hazardous decomposition products

Thermal decomposition generates: fume. Carbon oxides (CO, CO2).

## **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

#### disodium metasilicate (6834-92-0)

LD50 dermal rat > 5000 mg/kg bodyweight

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Reproductive toxicity

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830			
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 2.06 mg/l/4h		
sodium nitrite (7632-00-0)	sodium nitrite (7632-00-0)		
LD50 oral rat	180 mg/kg bodyweight		
LD50 dermal	No data/information is available for acute dermal toxicity. Sodium nitrite is not expected to pass the skin.		
LC50 inhalation rat (Dust/Mist - mg/l/4h)	Testing concerning acute inhalation toxicity is not meaningful, since sodium nitrite has an extreme high water solubility and leads to oral uptake.		
sodium carbonate (497-19-8)			
LD50 oral rat	2800 mg/kg bodyweight		
LD50 dermal rabbit	> 2000 mg/kg bodyweight		
aryl ether phosphate ester, potassium salt (7	2283-31-9)		
LD50 oral rat	> 2000 mg/kg		
sodium xylene sulphonate (1300-72-7)			
LD50 oral rat	≥ 7200 mg/kg bodyweight		
LD50 dermal rabbit	> 2000 mg/kg bodyweight		
sodium sulphamidate (13845-18-6)			
LD50 oral rat	> 2500 mg/kg bodyweight		
LD50 dermal rat	> 2000 mg/kg bodyweight		
disodium adipate (7486-38-6)			
LD50 oral rat	5560 mg/kg bodyweight		
sodium N-lauroylsarcosinate (137-16-6)			
LD50 oral rat	> 5000 mg/kg		
LC50 inhalation rat (mg/l)	0.05 – 0.5 mg/l/4h		
Skin corrosion/irritation : Additional information : Serious eye damage/irritation : Respiratory or skin sensitisation : Additional information : Additional information : Germ cell mutagenicity : Additional information : Carcinogenicity : Additional information : Additio	Not classified Based on available data, the classification criteria are not met Slightly irritant but not relevant for classification Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met		
sodium nitrite (7632-00-0)			
IARC group	2A - Probably carcinogenic to humans		
sodium nitrite (7632-00-0)			
NOAEL (chronic, oral, animal/male, 2 years)	130 mg/kg bodyweight Rat		
NOAEL (chronic, oral, animal/female, 2 years)	150 mg/kg bodyweight Rat		

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: Not classified

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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

STOT-repeated exposure : Not classified

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

NOAEL (oral, rat, 90 days) > 227 – 237 mg/kg bodyweight/day

sodium nitrite (7632-00-0)

NOEL, male, oral, rat 10 mg/kg bw/day (2 years)

Aspiration hazard : Not classified

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

Potential adverse human health effects and

symptoms

: Harmful if swallowed.

## **SECTION 12: Ecological information**

### 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 environment, short-term

acute)

: Not classified

 $\label{thm:long-term} \mbox{Hazardous to the aquatic environment, long-term}$ 

(chronic)

: Not classified

disodium metasilicate (6834-92-0)	
LC50 fish 1	2320 mg/l Western mosquitofish (Gambusia affinis)
LC50 fish 2	210 mg/l Zebra fish (Danio rerio)
EC50 Daphnia 1	1700 mg/l
EC50 72h algae (1)	207 mg/l
ErC50 (algae)	> 345.4 mg/l

sodium nitrite (7632-00-0)	
LC50 fish 1	0.54 – 26.3 mg/l Rainbow trout (Onchorhynchus mykiss)
EC50 Daphnia 1	15.4 mg/l
EC50 other aquatic organisms 1	4.93 mg/l Cherax quadricarinatus
ErC50 (algae)	> 100 mg/l
EC50, daphnia, short term	15.4 mg/l (48 Hours)
LC50, aquatic invertebrates	4.93 mg/l (96 Hours)
EC50, aquatic algae	> 100 mg/l (72 Hours)
EC50, microorganisms	421 mg/l (48 Hours)
NOEC, fish, Chronic	6.61 mg/l (31 days)
NOEC, daphnia, Chronic	9.86 mg/l (80 days)

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sodium carbonate (497-19-8)	
LC50 fish 1	300 mg/l Common blue gill (Lepomis macrochirus)
EC50 Daphnia 1	200 – 227 mg/l Water flea (Ceriodaphnia sp.)
EC50 72h algae (1)	> 100 mg/l Practically non toxic to algae, but extreme pH can effect vigour
TLM fish 1	1200 mg/l 96 hours

sodium xylene sulphonate (1300-72-7)	
LC50 fish 1	> 1000 mg/l Rainbow trout (Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l
ErC50 (algae)	310 mg/l
NOEC chronic algae	40 mg/l

sodium sulphamidate (13845-18-6)	
LC50 fish 1	> 100 mg/l Rainbow trout (Oncorhynchus mykiss)
EC50 Daphnia 1	> 100 mg/l

disodium adipate (7486-38-6)		
	LC50 fish 1	230 mg/l

sodium N-lauroylsarcosinate (137-16-6)	
LC50 fish 1	32.1 mg/l Zebrafish (Danio rerio)
EC50 Daphnia 1	29.7 mg/l
EC50 72h algae (1)	79 mg/l
NOEC chronic algae	9.2 mg/l

## 12.2. Persistence and degradability

Rapid Cleanse (New Chelating Agent) WP 1920	
Persistence and degradability	Not established.

disodium metasilicate (6834-92-0)	
Persistence and degradability	Not established.

sodium nitrite (7632-00-0)	
Persistence and degradability	Not established.

sodium carbonate (497-19-8)	
Persistence and degradability	Substance will dissociate upon contact with water, the only effect is the pH effect,
	therefore after passing through the sewage treatment plant exposure is considered
	negligible and with no risk.

aryl ether phosphate ester, potassium salt (72283-31-9)	
Persistence and degradability	Not established.

sodium xylene sulphonate (1300-72-7)	
Persistence and degradability	Readily biodegradable.

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sodium N-lauroylsarcosinate (137-16-6)		
Persistence and degradability	Readily biodegradable.	
12.3. Bioaccumulative potential		
Rapid Cleanse (New Chelating Agent) WP 192	20	
Bioaccumulative potential	Not established.	
disodium metasilicate (6834-92-0)		
Bioaccumulative potential	No bioaccumulation.	
sodium nitrite (7632-00-0)		
Bioaccumulative potential	Not established.	
sodium carbonate (497-19-8)		
Bioaccumulative potential	No bioaccumulation.	
aryl ether phosphate ester, potassium salt (72	2283-31-9)	
Bioaccumulative potential	Not established.	
sodium xylene sulphonate (1300-72-7)		
Bioaccumulative potential	Not established.	
sodium N-lauroylsarcosinate (137-16-6)		
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		
sodium carbonate (497-19-8)		
Ecology - soil	Soluble material/quickly disperses in water.	
12.5. Results of PBT and vPvB assessment		
Component		
sodium nitrite (7632-00-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
sodium carbonate (497-19-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
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## 12.6. Other adverse effects

disodium metasilicate (6834-92-0)

sodium N-lauroylsarcosinate (137-16-6)

Additional information : Avoid release to the environment.

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This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB)

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

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## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.

: 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.

Ecology - waste materials : Avoid release to the environment.

## **SECTION 14: Transport information**

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

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

### 14.6. Special precautions for user

### Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

#### 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. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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#### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Abbreviations and acronyms:	
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
EC-No.	European Community number
IARC	International Agency for Research on Cancer
LC50	Median lethal concentration
LD50	Median lethal dose
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

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.

Classification according to Regulation (EC) No. 1272/2008 [CLP]:	
Not classified	

Full text of H- and EUH-statements:		
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Met. Corr. 1	Corrosive to metals, Category 1	
Ox. Sol. 3	Oxidising Solids, Category 3	
Skin Corr. 1B	Skin corrosion/irritation, Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H272	May intensify fire; oxidiser.	

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H290	May be corrosive to metals.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.