

According to Regulation (EC) No. 1907/2006 (REACH) Updated according to Regulation (EC) No. 2015/830	Date: 2019-12-19 Revises: 2021-03-01 Version: 3
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## Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: Multi-surface cleaner with probiotics

Product class: cleaner

UFI: 9H00-Q0YA-0000-F46D

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

#### Relevant identified uses:

Multi surface cleaner. Detailed use descriptor system provided 16.2. section.

Uses advised against:

Not recommend use out of scope.

### 1.3. Details of the manufacturer/supplier of the safety data sheet:

UAB "ProBioSanus"

Mokslininku street 6A, LT-08412 Vilnius, Lithuania

Company code: 302733890 Phone +370 5 231 4680 Mob. +370 657 17662

E-mail: info@probiosanus.com

E-mail of the responsible person for the safety data sheet: visachemija@gmail.com.

### 1.4. Emergency telephone number

Lithuanian Poisons Control and Information Bureau emergency telephone numbers: +370 5 236 20 52

Website: <a href="www.apsinuodijau.lt">www.apsinuodijau.lt</a> General emergency number: 112

## **Section 2. HAZARD IDENTIFICATION**

# 2.1. Classification of the substance or mixture

## 2.1.1. Classification according to Regulation (EC) 1272/2008 (CLP):

Hazard class	Category	Hazard statement (s)
Serious eye irritation	2	Н319

#### 2.2. Label elements

## Labeling according to Regulation (EC) No. 1272/2008 (CLP):

Hazard pictograms (s):		GHS07
Signal word		Warning
Hazard statement (s):	H319	Causes serious eye irritation

# **Precautionary statements:**

P102 Keep out of reach of children.

P264 Wash with water thoroughly after handling.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if



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present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/national regulations.

# 2.3. Other hazards

PBT and vPvB assessment:

**PBT:** Not applicable. **vPvB:** Not applicable.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixture

Product is micture

Name of substance	CAS No.	EC No.	Classification according Regulation EB No.1272/2008	Purity %
D-glucopyranose, oligomers, decyl-octyl glycosid	68515-73-1	500-220-1	Serious eye damage, 1 cat. H318	<1,5
Alcohols, C12-18, ethoxylated	68213-23-0	500-201-8	Acute toxicity, 4 cat. H302 Serious eye damage, 1 cat. H318 Long-term aquatic, 3 cat. H412	<1
Hazelnut oil	185630-72-2	-	Not classified	*
Trisodium citrate dihydrate	6132-04-3	200-675-3	Not classified	*

Full text related to hazard (H) phrase in this section is listed in the section 16.5.

## **Section 4. FIRST AID MEASURES**

### 4.1. Description of first aid measures

**General Information:** it's recommended to take off contaminated clothes before using next time, washed / cleaned using the appropriate washing / cleaning agents. First aid personnel should pay attention to their own safety.

**On skin contact:** Rinse with plenty of water using the appropriate detergent (soap, body wash, etc.). May cause skin irritation, allergic skin reaction. If the symptoms occur consult with the doctor.

**On contact with eyes:** Do not scrub eyes; wash affected eyes for at least 15 minutes under running water with eyelids held open. Remove contact lenses, if present and easy to do. Continue rising. Get medical attention from a specialist.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove things how can block breathing (scarf, kerchief, etc.).

If swallowed: Wash / rinse thoroughly with water until you don't feel the taste of the product.

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

Eye contact: eye irritation, redness, tearing.

Ingestion: likely nausea, dizziness

**Skin contact:** irritation, redness, allergic reactions, increased skin sensitivity.

Inhale: likely respiratory tract irritation.

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

Symptomatic treatment, constant maintenance is not required, long term / continuous effects are possible.

### **Section 5. FIREFIGHTTING MEASURE**



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#### 5.1. Extinguishing media

Suitable extinguishing media: water, carbon dioxide powder.

Unsuitable extinguishing media: strong water current.

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

The mixture is not flammable, but in case of fire or at high temperature can burn packing. Avoid inhalation of vapors in the air, avoid large formation of steam.

**5.3. Advice for firefighters:** Do not breathe combustion products. Wear self-contained breathing apparatus with air supply, appropriate protective equipment and chemical-protective clothing. Avoid direct contact with product.

## Section 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

- **6.1.1. For non-emergency personnel**: Use personal protective equipment as described in Section 8 and comply with the safety requirements of Section 7.
- **6.1.2. For emergency responders**: In case of spills stop the work. Remove sources of ignition. Evacuate people from the polluted area to safe area. Avoid contact with skin, eyes, and inhalation. Wear protective or special working clothing. Work only with respiratory personal protective equipment.
- **6.2. Environmental precautions:** Stop leak if safe to do so. Avoid release to the environment. Collect any spilled product (for example. A universal binder).
- **6.3. Methods and material for containment and cleaning up:** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Dispose of this material and its container to hazardous or special waste collection point (Section 13). If product gets into drains and / or surface / ground water, enters the terrestrial environment, spill large quantities and / or large area inform the relevant authorities. Be careful risk of slipping. Surface is slippery when mixture is spilled on the floor.

## 6.4. Reference to other sections:

Observe for personal protection equipment in Section 8.

Observe about the product removal in Section 13.

### Section 7. HANDLING AND STORAGE

## 7.1. Precautions for safe handling

### 7.1.1. Recommendations for safe handling:

Follow the recommendations in Section 8.

Utilize by Section 6.3 and 13.

**Information on protection against fire:** Store at cool, dry place, keep away from heat/cold exposure, sparks and flame. Keep fire extinguishers on easily accessible place.

**Information on aerosols and dust prevention:** Avoid high vapor concentrations in the air. Use appropriate personal protective equipment as indicated in Section 8.

**Environmental precautions:** Not special requirements. Do not allow enter to drains, surface water, ground water, drainage systems. Avoid release to the environment.

**7.1.2. Advice on general occupational hygiene:** Not to eat, drink and smoke in work area. Wash hands after use. Avoid contact with the skin and eyes. Do not inhalation. Do not swallow.

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

**Storage requirements:** Keep in the tightly sealed containers in a dry, well-ventilated place; keep out of the reach of children, keep away from food, drink and animal feed. Avoid direct sunlight; keep away from heat or sources of ignition. At the storage place must be prepared absorption material in case if product has spill. Fire extinguishers should be kept handy.



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It shall not be stored in the same premise with: avoided contact with other chemicals, which are not packed, especially with acids and oxidizing agents.

Further information about storage conditions: Not applicable

AT HOME OR AT SHOP: Store in cool, dry conditions in well sealed receptacles

### 7.3. Specific end use(s):

Section 1.2. and 16.2.

### Section 8. EXPOSURE CONTROLS (PERSONAL PROTECTION)

Using the PE (protective equipment) must be accompanied by additional measures: operating time (duration of exposure) should reflect the additional physiological stress for the worker's use PE. Furthermore, it is considered that the use of certain PE reduces the employee's ability to use tools and communication for these reasons, the employee should be: healthy (especially in view of medical problems that can affect the PE using) and must ensure impermeability / tightness between the body and the PE (taking into account factors such as scarring, hair et al).

The employer and self-employed persons are legally responsible for the issuance and management of PE making adequate use in the workplace. Therefore, they should define and documented an appropriate PE use policies, including the employees training

### 8.1. Control parameters

Name of substance	CAS No.	Concentration limits in the work environment	
Caprylyl Decyl Glucoside	68515-73-1	DNEL 420 mg / m³ human, inhalatory worker (in-chronic - sysoligomers, decyl octry) temic effects;  DNEL 595,000 mg / kg bw / day human, dermal worker (industry) chronic - systemic effects;  DNEL 124 mg / m³ human, inhalatory consumer chronic - temic effects (private house-holds);  DNEL 357,000 human, dermal consumer chronic - mg / kg bw / day (private house-temic effects;  DNEL 35.7 mg / kg bw / day human, oral consumer chronic - systemic effects (private house-holds);  PNEC 0.27 mg / L water;  PNEC 0.176 mg / L freshwater;  PNEC 0.018 mg / L marine water;  PNEC 560 mg / L sewage treatment plant;  PNEC 1.516 mg / kg freshwater sediment;  PNEC 0.152 mg / kg marine sediment;  PNEC 0.654 mg / kg soil.	
Alcohols, C12-18, ethoxylated	68213-23-0	No data	
Trisodium citrate dihydrate	6132-04-3	No data	

### 8.2. Exposure controls

# 8.2.1. Appropriate engineering controls:

Impact: employment for an unlimited duration (up to 480 minutes per shift, 5 shifts per week). Ensure that eyewash stations and safety showers are close to the workstation location, avoid spill.

**8.2.2.** Individual protection measures, such as personal protective equipment: Avoid directly contact with the product. Wear suitable personal protective equipment. When using does not eat, drink or smoke. Before breaks and after work wash hands using appropriate tools (soap, etc.). Remove contaminated clothing and protective equipment after work or before breaks.

#### Eyes/face protection



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Wear safety glasses and avoid get mixture into eyes (LIN EN 166). Avoid contact with eyes.

### Hand protection

It's recommended hand protection: wear gloves (tested to EN 374) if hand contamination is likely. Suitable glove materials are neoprene (chloroprene) and nitrile rubber. Permeation time for the material > 0.5 mm is probably 8 hours. Non suitable materials are leather gloves (material decomposition) Wash off any skin contamination immediately. Contaminated gloves should be carefully rinsed with water before re-use.

### Skin protection

It's recomended to wear shoes, and long-sleeved clothing. Avoid the mixture get in to the shoes. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Recommend to wear antistatic protective clothing.

## **Respiratory protection**

Recommend to use individual respiratory protection during spraying at insufficient ventilation or long-term exposure. Use the mask or half mask with filter to protect against organic gases, vapors or aerosols.

### **Protection against thermal hazards**

Not applicable.

# 8.2.3. Environmental exposure controls

**Air:** there must be performed in accordance with the existing common dust particles emissions, calculation methodology and established law effects of ambient air monitoring.

Water: do not allow enter to drains, surface water, ground water, drainage systems.

**Soil:** avoid release to the soil. There aren't any special parameters and / or measures on terrestrial environmental monitoring.

### Section 9. PHYSICAL AND CHEMICALS PROPERTIES

9.1. Information on basic physical and chemical properties

7.1. Information on basic physical and chemical properties			
Colour	brownish		
The physical state	liquid		
Odour	Odourless		
Odour threshold	not determined		
pН	7,5-9,0		
The melting / freezing point	not determined		
The crystallization temperature	Not determined		
Boiling point	not determined		
Flashpoint	not determined		
Melting point	not determined		
Evaporation rate	same as water		
Ignition limits:			
Lower	not determined		
Upper	not determined		
Steam pressure	not determined		
Relative vapour density (atmosphere=1)	not determined		
Density	0,995-1,005 g/cm <sup>3</sup>		
Water solubility	soluble		
n-octanol/water partition coefficient (log Pow)	not determined		



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Self-ignition	not determined
Decomposition temperature	not determined
Viscosity	not determined
Explosive properties	not explosive
Oxidising properties	not determined

#### 9.2. Other information

Not applicable.

### Section 10. STABILITY AND REACTIVITY

#### 10.1. Reactivity:

Stable under recommended use and storage conditions.

## 10.2. Chemical stability:

Stable at the recommended conditions.

## 10.3. Possibility of hazardous reactions:

Dangerous reactions don't arise at the recommended use and storage circumstances.

### 10.4. Conditions to avoid:

High / low temperature.

### 10.5. Incompatible materials:

Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

## 10.6. Hazardous decomposition products:

CO and SO<sub>2</sub> may be formed by thermal decomposition.

## Section 11. TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

### **Acute toxicity:**

The product not classified as acute toxicity/ harmful by oral, dermal or inhale according CLP regulation

Experimental components of data:

Name of substance	CAS Nr.	Exposure
Caprylyl Decyl Glucoside	68515-73-1	oral LD50 >2.000 mg/kg rat OECD ECHA Guidelineosides 423 dermal LD50> 2,000 mg / kg rabbit OECD Guideline 402 ECHA
Alcohols, C12-18, ethoxylated	68213-23-0	Experimental / calculated data: LD50 (oral):> 300 - 2,000 mg / kg (OECD Guideline 401) Literature data
Trisodium citrate dihydrate	6132-04-3	No data

## Irritation: The product is classified as irritation eyes according CLP regulation criteria.

**Corrosion**: The product is not classified as corrosion according CLP regulation criteria (skin damage / irritation: non-irritant (OECD Guideline 404).

**Sensitation:** The product is not classified as sensitation according CLP regulation criteria, but mixture has flavouring substances.

Respiratory sensitization: The product is not classified as respiratory sensitizer according CLP regulation criteria.

Mutagenicity: The product is not classified as mutagenicity according CLP regulation criteria.

**Reproductive toxicity:** The product is not classified as reproductive toxicity according CLP regulation criteria.

Carcinogenicity: The product is not classified as carcinogenicity according CLP regulation criteria



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**Development toxicity:** The product is not classified as development toxicity according CLP regulation criteria.

**STOT SE:** The product is not classified as STOT (SE) according CLP regulation criteria. **STOT RE:** The product is not classified as STOT (RE) according CLP regulation criteria.

Aspiration toxicity: The product is not classified as aspiration toxicity according CLP regulation criteria.

**Section 12. ECOLOGICAL INFORMATION** 

**12.1. Eco toxicity:** The product not classified as acute/ chronic toxic/harmful to aquatic according CLP regulation criteria.

Components of the mixture toxicity:

Name of substance	CAS Nr.	Exposure
Caprylyl Decyl Glucoside 68515-73-1		LC50 100,8 mg /l Danio rerio DIN EN ISO 7346/1-3, ECHA 96 h; EC50 >100mg /l daphnia magna OECD Guideline 202 ECHA 48 h; ErC50 27,22 mg /l algae (Desmod-esmus subspicatus) DIN 38412 ECHA 72 h; EC50 >560 mg /l microorganisms ECHA 6 h; growth (EbCx) 10 % >560 mg /l Pseudomonas putida ECHA 6 h.
Alcohols, C12-18, ethoxylated	68213-23-0	Toxicity to fish:  LC50> 1 - 10 mg / l, Leuciscus idus (DIN EN ISO 7346-2)  Water fleas:  EC50> 1 - 10 mg / l, Daphnia magna (OECD Guideline 202, Part 1)  For aquatic plants:  EC50> 1 - 10 mg / l, Scenedesmus subspicatus (OECD Guideline 201)  Acute effects  EC10> 0.1-1 mg / L, Scenedesmus subspicatus long-term effects Literature data.  Micro-organisms / effects on activated sludge:  EC0> 100 mg / l, Pseudomonas putida (DIN 38412, part 8 (draft))  Assessment of terrestrial toxicity:  No terrestrial toxicity data are available.
Trisodium citrate dehydrate	6132-04-3	Na data

## 12.2. Persistence and degradability

This product miscibles with water, dilutes.

## 12.3. Bio-accumulative potential

Bioaccumulation potencial is not determined.

## 12.4. Mobility in soil

Product miscibles in water

## 12.5. Results of PBT and vPvB assessment

PBT: Not applicable; vPvB: Not applicable.

## 12.6. Other adverse effects

Not applicable.

### Section 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

The Product can't be poured directly into sewerage or to the environment. Collect the spillage. The spillage put in containers and disposed of in accordance with the legislation in force (Waste Management Rules EWC). Not dispose with household. Polluted packaging must conform with the disposal methods of current Hazardous Waste management rules.



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Packaging Waste code 15 01 packaging. Packaging can be recycled, in case that it hasn't product inside.

Note: Waste management codes are assigned on the basis of the overall use of the product and may not be related to the pollutants generated during actual use. In order to attribute an appropriate waste disposal code, waste producers must assess the actual process of producing waste and its contaminants.

# Contaminated packaging:

Fully empty the packaging and dispose of it in accordance with applicable regulations (Waste Management Regulations, EWC).

### **Section 14. TRANSPORT INFORMATION**

For the product not applicable requirements and classification as transport of dangerous goods (IMDG, IATA, ADR / RID).

		ADR – road haulage RID – rail transportation	ADNR – Carriage by vessels IMDG – Carriage by sea	IATA – carriage by air
14.1.	UN number	-	-	-
14.2.	UN proper shipping name	-	-	-
14.3.	UN Transport hazards class (-es)	-	-	-
14.4	Packing group	-	-	-
14.5.	Label	-	-	-

14.6. Transport in bulk according to Annex II of MARPOL 73/8 and the IBC Code:

Not applicable.

### **Section 15. REGULATORY INFORMATION**

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Text with EEA relevance);

Commission Regulation (EU) No. 453/2010 of 20 May 2010 partially amending Regulation (EC) No. 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). (OL 010, L 133/1, p.1);

Hygiene rate H23 "Occupational Exposure Limit Values. Measurement and Impact Assessment general requirements";

HN 36 "Prohibited and Restricted Substances;

Workers' Protection against chemical agents at work and employees with personal protective equipment Regulations;

"Lithuanian Republic Law on Waste Management;

"Lithuanian Republic of packaging and packaging waste management law";

"Waste Management Rules";

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR);

European Agreement concerning the International Maritime Dangerous Goods (IMDG);

European Agreement concerning the International Carriage of Dangerous Goods by Air (IATA);

European Waste Catalogue (EWC);

**15.2. Chemical safety assessment:** In accordance with Regulation (EC) 1907/2006 (REACH) Article 14, a Chemical Safety Assessment was not carried out.

### **Section 16. OTHER INFORMATION**

### 16.1. Indication of changes

Information contained in the Regulation 1907/2006/EC with the Regulation 2015/830 as amended.

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## 16.2. Relevant identified uses of the substance or mixture

# Use descriptor system:

Sectors of use (SU)

SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product categories (PC) description

	$\mathcal{U}$	
D.C.0.	W. 1. 1. C. 1. D. 1. (1.1. 1	
PC35	Washing and Cleaning Products (including solvent based products)	
1 033	washing and Cleaning Froducts (including sorvent based products)	

The process categories (PROC) description

	Hand-mixing with intimate contact	Addresses occupations where intimate and intentional contact with
PROC19	and	substances occurs without any specific exposure controls other
		than PPE.

Environmental release categories (ERC) description

	TX 7: 1 1: : : 1	
ED CO	Wide dispersive indoor use	Indoor use of processing aids by the public at large or Professional use.
	of processing aids in open	Use (usually) results in direct release into the environment/ sewage
	systems	system, for example, detergents in fabric washing, machine wash liquids
ERC8a		and lavatory cleaners, automotive and bicycle care products (polishes,
		lubricants, de-icers), solvents in paints and adhesives or fragrances and
		aerosol propellants in air fresheners.
	Wide dispersive indoor use	Indoor use of reactive substances by the public at large or Professional
ERC8b	of	use. Use (usually) results in direct release into the environment, for
	reactive substances in open	example, sodium hypochlorite in lavatory cleaners, bleaching agents in
	systems	fabric washing products, hydrogen peroxide in dental care products

# 16.3. Abbreviations and acronyms

ACGIH – American Conference of Industrial Hygienists

ADR/RID European agreement concerning the international carriage of dangerous goods by Road/Rail.

PPE Personal protective equipment

CAS Chemical Abstracts Service

CLP Regulation of classification, labeling and packaging (EB) No. 1272/2008

DNEL The derived no-effect level

EC50 Term half maximal effective concentration

ECHA The European Chemicals Agency

EINECS European Inventory of Existing Commercial chemical Substances

EWC European Waste Catalogue

**ERC Environmental Release Categories** 

IARC - The International Agency for Research on Cancer

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

LTEL Long Term Exposure Limit

LC50 The median lethal dose

MS Member states

NTP – Nacional toxicity program

N/E - Excluded

**OELV Occupational Exposure Limit Values** 

OSHA – Occupational Safety and Health Administration

PBT Persistent Bioaccumulative and Toxic substances

PNEC The Predicted No Effect Concentration

**PROC Process category** 

PC Chemical Product category

RE repeated exposure

REACH Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals

SCOEL The Scientific Committee on Occupational Exposure Limit



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SDS Safety data sheet
SE single exposure
STP Sewage treatment plant
SU Sectors of use
STOT Specific target organ toxicity
TLV–TWA Threshold limit value - Time weighted average
STEL Short-term exposure limit
VLE Valeur Limite d'Exposition
vPvB Very persistent and very bioaccumulative

#### **16.4.** Literature references

http:///eippcb.jrc.es/reference/

http://echa.europa.eu

http://www.sinlist.org/

http://www.subsport.eu/

http://www.catsub.dk

http://osha.europa.eu/en/topics/ds

http://www.hse.gov.uk/coshh/essentials/index.htm

http://www.dguv.de/ifa/en/pra/ghs\_spaltenmodell/index.jsp

http://www.substitution-cmr.fr/

http://www.mdsystem.com

http://www.infochema.lt

http://chemija.gamta.lt/cms/index

http://www.gamtostyrimai.lt/lt/pages/view/?id=2

European Chemicals Bureau (ECB), European Chemicals Agency (ECHA), Swedish Chemicals Agency (Kemi), The International Labour Organization (ILO), TOXNET databases.

16.5. Full list of the indication of danger the hazard statements (H):

over 1 am mor of the material of things. The material succession (11).		
Acute toxicity	H302	Harmful if swallowed
Long-term aquatic	H412	Harmful to aquatic life with long lasting effects
Serious eye damage	H318	Causes serious eye damage
Serious eye irritation	H319	Causes serious eye irritation

#### 16.6. Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.