SAFETY DATA SHEET

1. Identification

Product identifier: DEGADUR® 420

Other means of identification

Recommended use: binder for floor-coating Roller application or brushing Hand-mixing with intimate contact and only PPE available Wide dispersive indoor use resulting in inclusion into or onto a matrix Wide dispersive outdoor use resulting in inclusion into or onto a matrix
Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name	:	Röhm GmbH Product Stewardship Kirschenallee 64293 Darmstadt
Telephone	:	+49 6151 18 4076
E-mail	:	sds-info@roehm.com

Manufacturer
Emergency telephone number:

24-Hour Health Emergency	:	+49 6241 402 5280 (24h) +49 6131 19 240 (24h)

2. Hazard(s) identification

According to Hazardous Product Regulations

Physical Hazards

Flammable liquids	Category 2

Health Hazards

Acute toxicity (Oral)	Category 5
Skin irritation	Category 2
Skin sensitizer	Category 1
Specific Target Organ Toxicity - Single Exposure	Category 3[1.]

Target Organs

1. Respiratory system

Environmental Hazards

Acute hazards to the aquatic environment	Category 2
Chronic hazards to the aquatic environment	Category 3

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement:
Highly flammable liquid and vapor.
May be harmful if swallowed.
Causes skin irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/…] equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents/ container to an approved waste disposal plant.

Other hazards: Take precautionary measures against static discharges. The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.

3. Composition/information on ingredients

Mixtures

Solution of an acrylic polymer in an acrylic acid ester

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Methyl methacrylate		80-62-6	>=30 - <50%
2-ethylhexyl acrylate		103-11-7	>=20 - <30%
triethyleneglycol dimethacrylate		109-16-0	>=1 - <10%
2-hydroxyethyl methacrylate		868-77-9	>=0,1 - <1%
N,N-bis-(2-hydroxypropyl)-p-toluidine		38668-48-3	>=0,1 - <1%
(2-hydroxy-4-methoxyphenyl)phenyl-methanone		131-57-7	>=0,1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

General information: Take off all contaminated clothing immediately. Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of its vapours.

Inhalation: Move subject to fresh air and keep him calm. If feeling unwell seek medical advice.

Skin Contact: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. If skin irritation occurs consult a physician.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. In case of complaints get medical advice.

Ingestion: Do not induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.

Personal Protection for First-aid Responders: Wear self-contained breathing apparatus.

Most important symptoms/effects, acute and delayed

Symptoms: Excessive or prolonged exposure can cause the following: Headache. confusion Irritation Product has dermal defatting effect

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No specific antidote known. Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: Vapours are heavier than air and can form an explosive mixture with air. Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint. Remove sources of ignition.Also keep emptied containers away from sources of heat and ignition.Keep out unprotected persons.In case of fire, remove the endangered barrels and bring to a safe place, if this can be done safely.Containers exposed to heat (fire) may build up pressure. Cool by splashing with water.Prevent fire extinguishing water from contaminating surface water or the ground water system.Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: foam Dry chemical. Carbon dioxide

Unsuitable extinguishing media: High volume water jet

Specific hazards arising from the chemical: May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition. Closed container may rupture if strongly heated. Vapours may form explosive mixtures with air. Combustible air-vapour mixtures are heavier than the air and spread along the floor. Ignition from a considerable distance is possible.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: Keep away from sources of ignition - No smoking.Vapors are heavier than air. Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.
Take action to prevent static discharges.In the event of fire, cool the endangered containers with water.Fire fighting must be carried out from a safe distance.Use explosion-proof equipment.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Assure sufficient ventilation. Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Keep away from open flames, hot surfaces and sources of ignition. Vapours can form explosive mixtures with air. Keep out unprotected persons. Avoid spark generation.

Methods and material for containment and cleaning up: Larger quantities: Remove mechanically (by pumping). Use explosion-proof equipment! Smaller quantities and/or residues: Contain with absorbent material (e.g. sand, diatomaceous earth, acid absorbent, universal absorbent or sawdust). Dispose of in accordance with regulations.

Environmental Precautions: Prevent product from getting into drains/surface water/groundwater.

7. Handling and storage

Precautions for safe handling: Do not breathe vapors. Avoid contact with skin and eyes. Wash hands before breaks and immediately after handling the product. Safety shower and eye wash fountain should be available. Keep away from sources of ignition - No smoking.Vapors are heavier than air. Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.
Take action to prevent static discharges.In the event of fire, cool the endangered containers with water.Fire fighting must be carried out from a safe distance.Use explosion-proof equipment. When using do not eat, drink or smoke. Avoid inhalation, ingestion and contact with skin and eyes. Provide sufficient ventilation and exhaust at the workplace. Provide good room ventilation even at ground level (vapours are heavier than air). Keep container tightly closed. Open drum carefully as content may be under pressure. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Wash thoroughly after handling. Supervision in place to check that the risk management measures in place are being used correctly and operation conditions followed. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Controll staff entry to working area. Training for staff on good practice. Recording of any 'near miss' situations. Regular cleaning of equipment and work area. Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)

Conditions for safe storage, including any incompatibilities: Keep away from open flames, hot surfaces and sources of ignition.Keep away from heat.Protect from the action of light.Keep containers tightly closed in a cool, well-ventilated place. Fill the container by approximately 90 % only as oxygen (air) is required for stabilisation. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability.Keep locked up.Keep only in the original container at a temperature not exceeding 30 °C.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Methyl methacrylate	TWA	50 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	STEL	100 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls For monitoring procedures refer for instance to "Empfohlene Analysenverfahren für Arbeitsplatzmessungen", Schriftenreihe der Bundesanstalt für Arbeitsschutz and "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health

Individual protection measures, such as personal protective equipment

General information:	No data available.
Eye/face protection:	Tightly fitting safety goggles
Skin Protection	
Hand Protection:	Material: butyl rubber gloves Break-through time: 60 min Guideline: EN 374 Additional Information: Gloves should be replaced regularly, especially after extended contact with the product., For each work-place a suitable glove type has to be selected.
Other:	On handling of larger quantities: face mask, chemical-resistant boots and apron
Respiratory Protection:	if the limit values like TLV are exceeded, when vapours or aerosols occur Respirator with filter for organic vapour
Hygiene measures:	Take off all contaminated clothing immediately. Store work clothing separately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	liquid
Color:	bluish, slightly turbid
Odor:	ester-like
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	< -30 °C
Boiling Point:	100 °C (1.013 hPa) (methyl methacrylate)
Flash Point:	10 °C (methyl methacrylate)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	12,5 %(V) (methyl methacrylate)
Flammability Limit - Lower (%):	2,1 %(V) (methyl methacrylate)
Vapor pressure:	approx. 40 hPa (20 °C)
Vapor density (air=1):	No data available.
Density:	0,98 g/cm3 (20 °C)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	not pyrophoric
Decomposition Temperature:	No decomposition if used as directed.

Kinematic viscosity:	No data available.
Dynamic viscosity:	180 mPa.s (23 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

Other information

Dust Explosion Limit, Upper:	(methyl methacrylate)
Dust Explosion Limit, Lower:	(methyl methacrylate)
Minimum ignition temperature:	430 °C (DIN 51794) (methyl methacrylate)
Self Ignition Temperature:	not pyrophoric

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	No decomposition if used as directed.
Possibility of hazardous reactions:	Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.Vigorous polymerization is possible when heated /exposed to heat.
Conditions to avoid:	Avoid high temperatures and sources of ignition. Ultraviolet light. The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.
Incompatible Materials:	Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents.
Hazardous Decomposition Products:	None when used as directed.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	Relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	Headache. Dizziness.
Skin Contact:	Causes skin irritation. May cause allergic skin reaction.
Eye contact:	Causes serious eye irritation.

Ingestion: If handled correctly, not a relevant route of exposure. Information on effects are given below.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Acute toxicity estimate: 3.375 mg/kg

Dermal

Product: Acute toxicity estimate: > 5.000 mg/kg

Inhalation

Product: ATEmix: < 5.000 mg/l
Vapour

Repeated dose toxicity

Product: No data available.

Specified substance(s):

Methyl methacrylate	NOAEL (Rat, Inhalation(Vapour)): 25 ppm NOAEL (Rat, Oral): 2000 ppm
triethyleneglycol dimethacrylate	NOAEL (Rat, Oral): 1.000 mg/kg
2-hydroxyethyl methacrylate	NOAEL (Rat, Oral, 7 Weeks): 100 mg/kg
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	The available data do not suffice for classification.

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Methyl methacrylate	(Rabbit): Irritating.
2-ethylhexyl acrylate	Irritating. Irritating.
triethyleneglycol dimethacrylate	FDA 1959 Draize, occlusive (Rabbit): , 24 h Not irritating

N,N-bis-(2-hydroxypropyl)-p-toluidine	Not irritating
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	OECD Guide-line 404 (Rabbit): does not require labelling

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

2-hydroxyethyl methacrylate	Rabbit: Slightly irritating

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

Methyl methacrylate	Local Lymph Node Assay, OECD TG 429 (Mouse): May cause sensitization by skin contact.
2-ethylhexyl acrylate	Skin sensitizer
triethyleneglycol dimethacrylate	Local Lymph Node Assay (Mouse): Skin sensitizer
2-hydroxyethyl methacrylate	Cases of sensitisation also observed in humans.
N,N-bis-(2-hydroxypropyl)-p-toluidine	Not a skin sensitizer.
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	Maximization Test (GPMT) (Guinea Pig): Not a skin sensitizer.

Carcinogenicity

Product: Contains no ingredient listed as a carcinogen (>0.1%).

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Specified substance(s):	
triethyleneglycol dimethacrylate	Not classified
2-hydroxyethyl methacrylate	Not classified
N,N-bis-(2-hydroxypropyl)-p-toluidine	(OECD TG 471)negative
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	Not classified

In vivo

Product:	No data available.
Specified substance(s):	
triethyleneglycol dimethacrylate	Not classified
2-hydroxyethyl methacrylate	Based on available data, the classification criteria are not met.
N,N-bis-(2-hydroxypropyl)-p-toluidine	Ames test: negative
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	Not classified

Reproductive toxicity

Product:	Contains no ingredient listed as toxic to reproduction (>0.1%).

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Specified substance(s):	
Methyl methacrylate	Category 3 with respiratory tract irritation.
2-ethylhexyl acrylate	Category 3 with respiratory tract irritation.
triethyleneglycol dimethacrylate	Not classified
2-hydroxyethyl methacrylate	Not classified no evidence for hazardous properties
N,N-bis-(2-hydroxypropyl)-p-toluidine	Not classified
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	Not classified based on available information.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Specified substance(s):	
Methyl methacrylate	Not classified
2-ethylhexyl acrylate	Not classified
triethyleneglycol dimethacrylate	Not classified
2-hydroxyethyl methacrylate	Not classified no evidence for hazardous properties

N,N-bis-(2-hydroxypropyl)-p-toluidine	Not classified
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	Not classified

Target Organs
Specific Target Organ Toxicity - Single Exposure: Respiratory system

Aspiration Hazard
Product: No aspiration toxicity classification

Other effects: There are no toxicological data available for this product. Avoid contact with the skin and eyes and inhalation of the product vapours.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Specified substance(s):

Methyl methacrylate	LC 50 (Oncorhynchus mykiss (rainbow trout), 96 h): > 79 mg/l NOEC (Danio rerio (zebra fish), 32 d): 9,4 mg/l literature
2-ethylhexyl acrylate	LC 50 (Salmo gairdneri, 96 h): 4,6 mg/l LC 50 (Oncorhynchus mykiss (rainbow trout), 96 h): 1,81 mg/l
triethyleneglycol dimethacrylate	LC 50 (Danio rerio (zebra fish), 96 h): 16,4 mg/l
2-hydroxyethyl methacrylate	LC 50 (Oryzias latipes (Orange-red killifish), 96 h): > 100 mg/l
N,N-bis-(2-hydroxypropyl)-p-toluidine	LC 50 (Danio rerio (zebra fish), 96 h): 17 mg/l
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	LC 50 (Leuciscus idus (Golden orfe), 96 h): 100 - 220 mg/l The reported toxic effects relate to the nominal concentration.

Aquatic Invertebrates
Product: No data available.

Specified substance(s):

Methyl methacrylate	EC 50 (Daphnia magna (Water flea), 48 h): 69 mg/l NOEC (Daphnia magna (Water flea), 21 d): 37 mg/l
2-ethylhexyl acrylate	EC 50 (Daphnia magna, 48 h): 8,74 mg/l EC 50 (Daphnia magna (Water flea), 48 h): 17,45 mg/l

2-hydroxyethyl methacrylate	EC 50 (Daphnia magna (Water flea), 48 h): 380 mg/l
N,N-bis-(2-hydroxypropyl)-p-toluidine	EC 50 (Daphnia magna (Water flea), 48 h): 28,8 mg/l
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	EC50 (Daphnia magna (Water flea), 24 h): 12,9 mg/l The product has low solubility in the test medium. An aqueous dispersion was tested. The reported toxic effects relate to the nominal concentration.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

2-ethylhexyl acrylate	NOEC (Salmo salar (Atlantic salmon), 21 d): 0,78 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

2-ethylhexyl acrylate	NOEC (Daphnia magna (Water flea), 21 d): 0,19 mg/l EC 50 (Daphnia magna (Water flea), 21 d): 0,5 mg/l
triethyleneglycol dimethacrylate	NOEC (Daphnia magna (Water flea), 21 d): 32 mg/l
2-hydroxyethyl methacrylate	NOEC (Daphnia magna (Water flea), 21 d): 24,1 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

Methyl methacrylate	EC 50 (Selenastrum capricornutum (green algae), 72 h): > 100 mg/l NOEC (Selenastrum capricornutum (green algae), 72 h): > 100 mg/l
2-ethylhexyl acrylate	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 14,6 mg/l EC 50 (Desmodesmus subspicatus (green algae), 72 h): 1,71 mg/l EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): 3,55 mg/l EC 50 (Desmodesmus subspicatus, 72 h): 5,28 mg/l
triethyleneglycol dimethacrylate	EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): > 100 mg/l NOEC (Pseudokirchneriella subcapitata (green algae), 72 h): 18,6 mg/l
2-hydroxyethyl methacrylate	EC 50 (Selenastrum capricornutum (green algae), 72 h): 836 mg/l NOEC (Selenastrum capricornutum (green algae), 72 h): 400 mg/l
N,N-bis-(2-hydroxypropyl)-p-toluidine	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 245 mg/l
(2-hydroxy-4-methoxyphenyl)phenyl-methanone	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 1,4 mg/l The product has low solubility in the test medium. An aqueous dispersion was tested. The reported toxic effects relate to the nominal concentration.

EC 50 (Pseudokirchneriella subcapitata (green algae), 72 h): 0,41 mg/l
NOEC (Pseudokirchneriella subcapitata (green algae), 72 h): 0,08 mg/l

Persistence and Degradability

Biodegradation
Product: The product is biodegradable. (monomer constituent)

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: no evidence for hazardous properties

Partition Coefficient n-octanol / water (log Kow)
Product: Log Kow: No data available.

Mobility in soil: no specific test data available

Other adverse effects: Prevent substance from entering soil, natural bodies of water and sewer systems.

13. Disposal considerations

Disposal methods: Waste is hazardous. It must be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a suitable and licensed facility.

Contaminated Packaging: Contaminated packaging should ideally be emptied; it can then be recycled after having been decontaminated. Packaging that cannot be cleaned should be disposed of professionally. Uncontaminated packaging may be taken for recycling.

14. Transport information

International Regulations

IATA-DGR

UN/ID No.	:	UN 1866
Proper shipping name	:	Resin solution (STABILIZED)
Class	:	3
Packing group	:	II
Labels	:	3
Packing instruction (cargo aircraft)	:	364
Packing instruction (passenger aircraft)	:	353

IMDG-Code

UN number	:	UN 1866
Proper shipping name	:	RESIN SOLUTION (STABILIZED)

Class	:	3
Packing group	:	II
Labels	:	3
EmS Code	:	F-E, S-E
Marine pollutant	:	no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

16.Other information, including date of preparation or last revision

Issue Date:	09.08.2019
Revision Date:	No data available.
Version #:	1.2
Further Information:	The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.
Revision Information:	Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.