

	PRODUCT SAFETY DATA SHEET XACT 200 PLUS	Document No	PSDS-XACT200P /SC-002
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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name XACT 200 PLUS,
Broad Spectrum Surface Disinfectant Cleaner Concentrate



Use of substance / mixture PC8: Biocidal products (e.g. Disinfectants, pest control).
Concentrated solution of Broad-Spectrum Surface Disinfectant Cleaner

Dilution Instruction for High Level Surface Sanitization: 1:40
Dilution Instruction for General use 1:200

Packing : 5LTR

Manufacturer Smart Chem. Hygiene LLC ,PO Box 213749,DIP, Dubai-U.A.E.
T: +971-4-8854877, F: +971-4-8854878

Email: info@smartchem.ae ;qa@smartchemuae.com
www.smartchemuae.com

SECTION 2: HAZARDS IDENTIFICATION

Classification under CLP : Eye Dam. 1: H318; Aquatic Chronic 2: H411; Skin Irrit. 2: H315

Most important adverse effects
Causes skin irritation. Causes serious eye damage. Toxic to aquatic life with long lasting effects

Label elements:

Hazard statements: H315: Causes skin irritation.
H318: Causes serious eye damage.
H411: Toxic to aquatic life with long lasting effects.

Signal words : Danger

Hazard pictograms: GHS05: Corrosion, GHS09: Environmental



Emergency Overview: Irritating to eyes and skin. Do not breathe vapor or spray mist. Avoid contact with eyes and skin. Use proper gloves Use only in well-ventilated areas.

Precautionary statements: P264: Wash hands thoroughly after handling.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 : IF ON SKIN: Wash with plenty of water/soap and water.
P305+351+338 : IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 : Immediately call a POISON CENTER/doctor

Other hazards PBT: This product is not identified as a PBT/vPvB substance

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CLP Classification	CAS No	% by Mass
PROPAN-2-OL	Flam. Liq. 2: H225; Eye Irrit. 2: H319;	67-63-0	<5%
DI ETHYLENE GLYOL	Acute Tox. 4: H302	111-46-6	<5%
DIDECYLDIMETHYLAMMONIUM CHLORIDE	Acute Tox. 4: H302; Skin Corr. 1B: H314	7173-51-5	<3%
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE SOLUTION	Skin Corr. 1B: H314; Acute Tox. 4: H312; Acute Tox. 4: H302; Aquatic Acute 1: H400; STOT SE 2: H371	68424-85-1	<2%
POLYHEXAMETHYLENE BIGUANIDE HYDROCHLORIDE	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Skin Sens. 1: H317; STOT SE 3: H335; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	27083-27-8	<2%
CYCLOTETRASILOXANE	Flam. Liq. 3: H226; Repr. 2: H361f; Aquatic Chronic 4: H413	556-67-2	<1%

SECTION 4: FIRST AID MEASURES

Inhalation : Remove to fresh air. If breathing difficulties are experienced, seek medical attention.
 Skin Contact : Wash off skin with soap and water. If irritation persists, contact a doctor.
 Eye Contact : Wash eyes with a large quantity of water. If irritation persists, contact a doctor.
 Ingestion : Wash out mouth with water. Never give anything by mouth to an unconscious person. If swallowed, rinse mouth and drink a glass of water. Call a physician or Poison Control Centre

Protection for First-aiders: Avoid contact with skin and eyes. Use personal protective equipment.
 Notes to a Physician: Treatment should be symptomatic.

Most important symptoms and effects, both acute and delayed

Skin contact : There may be irritation and redness at the site of contact.
 Eye contact : There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
 Ingestion : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
 Inhalation : There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects : Immediate effects can be expected after short-term exposure.
 Immediate / special treatment : Eye bathing equipment should be available on the premises

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media for the surrounding fire should be used.
 Extinguishing Media : Use water spray, foam, dry chemical or carbon dioxide
 Specific Hazards : None known.
 Protection Measures : No special requirements.
 Exposure hazards : In combustion emits toxic fumes.

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Specific extinguishing methods : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

In the event of fire and/or explosion do not breathe fumes.

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin and eyes. Wear appropriate protective clothing.

Environmental Precautions: Try to prevent the material from entering drains or water courses.

Local authorities should be advised if significant spillages cannot be contained.

Methods for Cleaning Up:

Small spills: Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container.

Large spills: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method

Consult your relevant Local Government Authority or an expert for advice on disposal

SECTION 7: HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/mist/ vapors/ spray. Use only with adequate ventilation. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wash hands thoroughly after handling.

Conditions for safe storage : Keep away from heat and sources of ignition. Keep in a cool, well ventilated place. Do not store near acids. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers,

Storage temperature: 20 °C to 35 °C

Product AT USE DILUTION

Advice on safe handling : Wash hands thoroughly after handling.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Respiratory Protection : No personal respiratory protective equipment normally required. If ventilation is insufficient, a suitable respirator should be worn.

Hand Protection : When handling bulk quantities, wear suitable protective gloves should be worn.

Eye Protection : When handling bulk quantities, wear suitable protective eyewear.

Skin and Body Protection : When handling bulk quantities, wear suitable protective clothing should be worn.

Hygiene Measures : Washing with soap and water after use is recommended as good hygienic practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling

PROTECTIVE EQUIPMENT



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Clear Liquid
Color	: Colorless
Odor	: Characteristic
pH	: 6-7 (neat) at 20°C
Decomposition Temperature (°C)	: No data available
Autoignition Temperature (°C)	: No data available
Explosion Properties	: No data available
Relative Density	: 0.96 - 1.016g/ml at 20°C
Solubility	: Soluble in water
Evaporation rate	: Negligible
Oxidizing	: Non-oxidizing
Viscosity	: Non-viscous
Melting point/range°C	: No data available.
Flash point°C	: 60 - 93
Autoflammability°C	: No data available.
Vapour pressure	: No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use
Stability	: Stable under normal use conditions.
Materials to Avoid	: Strong oxidizing agent, strong acids
Hazardous Decomposition Products	: Hazardous reaction will not occur under normal transport or storage condition
Condition to avoid	: Heat, Flames & Sparks

SECTION 11: TOXICOLOGICAL INFORMATION

Hazardous ingredients:

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

DIDCYLDIMETHYLAMMONIUM CHLORIDE

DERMAL	RBT	LD50	3342	mg/kg
ORAL	RAT	LD50	238	mg/kg

POLYHEXAMETHYLENE BIGUANIDE HYDROCHLORIDE

DERMAL	RAT	LD50	>5000	mg/kg
ORAL	RAT	LD50	1049	mg/kg

CYCLOTETRASILOXANE

ORAL	RAT	LD50	>2000	mg/kg
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Alkyl dimethyl benzyl ammonium chloride	4 h LC50 Rat: 0.054 mg/l Test atmosphere: dust/mist
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Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

- Skin contact** : There may be irritation and redness at the site of contact.
Eye contact : There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation : There may be irritation of the throat with a feeling of tightness in the chest.
 Delayed / immediate effects : Immediate effects can be expected after short-term exposure

SECTION 12: ECOLOGICAL INFORMATION

Hazardous ingredients:

DIDECYLDIMETHYLAMMONIUM CHLORIDE

Daphnia magna	48H EC50	0.062	mg/l
FISH	96H LC50	0.19	mg/l
GREEN ALGA (Selenastrum capricornutum)	96H ErC50	0.026	mg/l

POLYHEXAMETHYLENE BIGUANIDE HYDROCHLORIDE

Daphnia magna	48H EC50	0.09	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	0.0191	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	0.026	mg/l

12.1. Toxicity

- Persistence/Degradability : Biodegradable
 Bioaccumulation : No bioaccumulation potential
 Mobility in soil : Readily absorbed into soil.

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Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal operations : Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations : Not applicable.

Disposal of packaging : Clean with water. Treat the cleaning water following the above method for waste product. Do not reuse the container for any purpose

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

Container Disposal : Clean with water, Containers may be disposed of by consumers in the normal household waste stream.

SECTION 14: TRANSPORT INFORMATION

UN number : 3082

Shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(DIDECYLDIMETHYLAMMONIUM CHLORIDE; ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE SOLUTION)

Transport class : 9

Packing group : III

Environmentally hazardous : Yes Marine pollutant: No

Special precautions : No special precautions.

Tunnel code : E

Transport category : 3

SECTION 15: REGULATORY INFORMATION

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

Specific regulations : Not applicable.

Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: OTHER INFORMATION

The information contained in this PSDS was compiled using the latest and most reliable information available to Smart Chem Hygiene. The information is provided without any warranty, expressed or implied regarding its correctness or accuracy. Similarly no warranty expressed or implied regarding the product described herein .It is solely the responsibility of the user to determine safe conditions for use of this product and to assure liability for any loss, damage or expense whatsoever arising out of the product improper use.

Solitude

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