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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name XACT 200 TOTAL HYGIENE
High Level Surface Disinfectant Cleaner Concentrate



Product Use/Mixture : High Level Disinfectants concentrate solution

HIGH LEVEL SURFACE SANITIZATION DILUTION 1:10-1:50
GENERAL USE DILUTION 1:200
FOGGING DILUTION 1:50-1:200
DISINFECTION TUNNEL DILUTION 1:100-1:200

Variants 5LTR

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SECTION 2: HAZARDS IDENTIFICATION

Product AS SOLD Flammable liquids : Category 3 (<10%) Acute toxicity (Oral) : Category 4 Acute toxicity (Dermal) : Category 4 Skin corrosion : Category 1A Serious eye damage : Category1	Product AT USE DILUTION Acute toxicity (Dermal) : Category 4 Eye irritation : Category 2B
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Inhalation : Inhalation of vapors in high concentration may cause irritation of respiratory system.
Skin : Will cause irritation to the skin.
Eyes : Will cause irritation to the eyes.
Ingestion : May cause irritation to the gastrointestinal tract.

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%
ETHANOL	Flam. Liq. 2: H225; Eye Irrit. 2: H319;	64-17-5	<10%
PROPYLENE GLYCOL		57-55-6	<5%
Alcohol Ethoxylates C12C14	H318 eye damage. H302 Harmful if swallowed. H412 harmful to aquatic life with long lasting effects. H401 Toxic to aquatic life.	68439-50-9	<3%
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	<10%

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 : 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

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SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media : Use water spray, foam, dry chemical or carbon dioxide
 Specific Hazards : None known.
 Protection Measures : No special requirements.
 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.

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: Contain and collect for later disposal according to relevant regulations.
 Consult your relevant National, Provincial and 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: 0 °C to 50 °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

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PROTECTIVE EQUIPMENT



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Form	: Clear liquid
Color	: Colorless
Odor	: Characteristic to the fragrance
pH	: 7-9 (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

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Ethanol	4 h LC50 Rat: 117 mg/l Test atmosphere: vapor
Alkyl dimethyl benzyl ammonium chloride	4 h LC50 Rat: 0.054 mg/l Test atmosphere: dust/mist

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

- Eyes : Causes serious eye damage.
- Skin : Causes severe skin burns.
- Ingestion : Harmful if swallowed. Causes digestive tract burns.
- Inhalation : May cause nose, throat, and lung irritation.
- Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION

- Eyes : Causes eye irritation.
- Skin : Harmful in contact with skin.
- Ingestion : Health injuries are not known or expected under normal use.
- Inhalation : Health injuries are not known or expected under normal use.
- Chronic Exposure : Health injuries are not known or expected under normal use.


Experience with human exposure

Product AS SOLD

- Eye contact : Redness, Pain, Corrosion
- Skin contact : Redness, Pain, Corrosion
- Ingestion : Corrosion, Abdominal pain
- Inhalation : Respiratory irritation, Cough

Product AT USE DILUTION

- Eye contact : Redness, Irritation
- Skin contact : No information available.
- Ingestion : No symptoms known or expected.

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SECTION 12: ECOLOGICAL INFORMATION

Environmental Effects : This product has no known ecotoxicological effects.
 Mobility : No information available.
 Persistence/Degradability : Biodegradable
 Bioaccumulation : No bioaccumulation potential
 Ecotoxicity : The ecotoxicity of this product has not been determined

SECTION 13: DISPOSAL CONSIDERATIONS

Product Disposal : Do not dispose of large quantities down drain. Dispose of in accordance with relevant National, Provincial and Local Government
 Container Disposal : Clean with water, Containers may be disposed of by consumers in the normal household waste stream.

SECTION 14: TRANSPORT INFORMATION

UN number : 1903
 Description of the goods : Disinfectant, liquid, corrosive, n.o.s. (quaternary ammonium compound)
 Class : 8
 Packing group : III
 Environmentally hazardous : no

SECTION 15: REGULATORY INFORMATION

This product is classified as : High Level disinfectant concentrate mixture , with the following risk and safety phrases
 R36/38 Irritating to eyes and skin.
 S2 KEEP OUT OF THE REACH OF CHILDREN
 S24/25 Avoid contact with skin and eyes
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 S46 If swallowed, seek medical advice immediately and show this container or label

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
 Key LEGENDS
 IATA = international air transport association
 IMDG=International Maritime dangerous goods
 DG=Dangerous goods

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