

Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier

Product name **ControlPaksTM Liquid Laundry Detergent (all variations)**
Brand Crown Chemical, Inc.

1.2 Other means of identification

ControlPaksTM Liquid Laundry Pod Formula

1.3 Recommended use of the chemical and restrictions on use

Detergent for laundry

1.4 Supplier's details

Name Crown Chemical, Inc.
Address 4701 W. 136th. St.
Crestwood, Illinois 60418
U.S.A.
Telephone 708-371-6990
Fax 708-371-6992
email info@crown-chem.com

1.5 Emergency phone number

800-535-5053

SECTION 2: Hazard identification

General hazard statement

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Acute toxicity, oral, Cat. 4
- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



1. Exclamation mark; 2. Corrosion

Signal word

Danger

Hazard statement(s)

H315 Causes skin irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

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Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands & skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear eye protection/face protection/protective gloves.
P284	[In case of inadequate ventilation] wear respiratory protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water/Take off immediately contaminated clothing and wash it before reuse. Call a poison control center or doctor for treatment advice if irritation persists.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	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 for treatment advice.
P321	Specific treatment (see details on label).
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents and container in accordance with all local, state, national and international regulations.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Irritant Mixture

Components (by weight)

1. Alcohols, C12-16, ethoxylated

Concentration	30 - 60 %
CAS no.	68551-12-2
- Skin corrosion/irritation, Cat. 2	
- Eye damage/irritation, Cat. 1	
- Hazardous to the aquatic environment, short-term (acute), Cat. 1	

2. Glycerol

Concentration	10 - 20%
CAS No.	56-81-5

3. Alkyl Polyglucoside

Concentration	10 - 20%
CAS No.	Not available

4. Propylene glycol

Concentration	5-10%
CAS No.	57-55-6

5. Benzenesulfonic acid, C10-16-alkyl derivs, compds with 2-propanamine

Concentration	5-10 %
CAS No.	68584-24-7

6. Sodium Lauryl Ether Sulfate

Concentration	5 - 10 %
CAS No.	68585-34-72

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7. Water

Concentration 1 - 5%
CAS No. 7732-18-5

8. Ethanolamine

Concentration 1 - 5%
CAS No. 141-43-5

9. Fragrance

Concentration 1 – 5%
CAS No. Not Available

10. Subtilisin

CAS no. 1 - 5 %
9014-01-1

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).
If inhaled	Remove to fresh air and promote deep breathing. Get medical attention if effects persist. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	Take off immediately all contaminated clothing. Wash with plenty of soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse. Wash with plenty of soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Take off contaminated clothing and wash it before reuse. Acute and delayed symptoms and effects: Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention. Acute and delayed symptoms and effects: Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.
If swallowed	Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

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SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Decaethylene glycol monododecyl ether: Carbon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well ventilated place. Keep container tightly closed. Store between the following temperatures: 40 and 120 Fahrenheit and out of direct sunlight and away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Glycerine (CAS: 56-81-5 EC: 200-289-5)

TWA (Inhalation): 15 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits(OSHA) - Table Z-1 Limits for Air Contaminants

TWA (Inhalation): 10 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation

PEL (Inhalation): 15 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

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PEL (Inhalation): 10 mg/m3 , PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3, PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 5 mg/m3; USA (OSHA)
USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminant

2. Propylene glycol (CAS: 57-55-6 EC: 200-338-0)
TWA (Inhalation): 10 mg/m3; USA (OSHA)
USA. Workplace Environmental Exposure Levels (WEEL)

8.2 Appropriate engineering controls
Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Tightly fitting safety goggles. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Skin protection
Wear protective gloves, such as nitrile gloves.

Body protection
Wear suitable protective clothing.

Respiratory protection
Provide good ventilation. Respiratory protection is not required under normal use conditions.

Thermal hazards
No data available.

Environmental exposure controls
Do not let concentrated product enter drains.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Physical state	Liquid
Appearance	Semi-viscous liquid
Color	Various
Odor	Characteristic or various fragrances
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	<10.0 (1% solution)

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Kinematic viscosity (H ₂ O = 1.0)	>1.0
Solubility	100% in water.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate (H ₂ O = 1.0)	<1.0
Density and/or relative density	~1.07
Relative vapor density	No data available.

Particle characteristics

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Contact with incompatible materials. Sources of ignition. Exposure to heat.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Decaethylene glycol monododecyl ether: Strong oxidizing agents

Glycerine : Strong bases, Strong oxidizing agents

glycol: Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents

10.6 Hazardous decomposition products

Glycerine : Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Components:

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

The ATE (oral) of the mixture is: 714.29 mg/kg bw

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Germ cell mutagenicity

Based on available data, classification data are not met

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

Reproductive toxicity

Based on available data, classification data are not met

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STOT-single exposure

Based on available data, classification data are not met

STOT-repeated exposure

Based on available data, classification data are not met

Aspiration hazard

Based on available data, classification data are not met

Additional information

DODECYL ALCOHOL ETHOXYLATE: *TOXICITY:

typ. dose mode specie amount units other

LD50 orl rat 1 gm/kg

LD50 ipr rat 125 mg/kg

LD50 orl mus 1170 mg/kg

LD50 ivn mus 100 mg/kg

LD50 ivn rbt 36 mg/kg

LD50 orl gpg 384 mg/kg

LD50 ivn gpg 38 mg/kg

*AQTX/TLM96: Not available

*SAX TOXICITY EVALUATION:

THR: Poison by ingestion, intraperitoneal and intravenous routes. A human and experimental skin irritant. A severe eye irritant. Mutagenic data.

*CARCINOGENICITY: Not available

*MUTATION DATA: See RTECS printout for most current data

test lowest dose | test lowest dose

dnd-esc 50 mg/L |

*TERATOGENICITY: Not available

*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

*OTHER TOXICITY DATA:

Skin and Eye Irritation Data:

skn-hmn 6 mg/3D-I MOD

skn-rbt 500 mg/24H MLD

skn-rbt 75 mg/24H MLD

skn-rbt 500 mg/24H MOD

eye-rbt 100 mg

eye-rbt 750 ug/24H SEV

Review: Toxicology Review

Status: EPA TSCA Chemical Inventory, 1989

Lipase: guinea pig LD50 intravenous 135mg/kg (135mg/kg) BEHAVIORAL: CHANGES IN MOTOR ACTIVITY (SPECIFIC ASSAY)

BLOOD: HEMORRHAGE Pharmaceutical Chemistry Journal Vol. 13, Pg. 906, 1979.

rat LD50 intraperitoneal 634mg/kg (634mg/kg) SENSE ORGANS AND SPECIAL SENSES: PTOSIS: EYE

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SECTION 12: Ecological information

Toxicity

No data available on product

Persistence and degradability

No data available on product

Bioaccumulative potential

No data available on product

Mobility in soil

No data available on product.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available on product.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal

Dispose of as unused product.

Other disposal recommendations

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

SECTION 14: Transport information

DOT (US)

Non-regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard

Acute Health Hazard

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Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components

Propylene Glycol, CAS 57-55-6

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

16.1 Further information/disclaimer

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 investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. 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, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.