cleanslate

Layton (Previously Thirty-Three)

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Layton
Product Use	Grill & Oven Cleaner
Product Code	4361
For Medical Emergency	Call Chemtrec 1-800-424-9300
Supplier's Information	Cleanslate Inc. 1515 East Linden Avenue, Linden NJ 07036

2.HAZARD IDENTIFICATION

GHS Classification.

Flammable aerosols,	Category 1;
Skin corrosion/irritation,	Category 1;
Serious eye damage/eye irritation,	Category 1

GHS Label Element.

Signal Word. Danger

Hazard Statement. Extremely flammable aerosol. Causes severe skin burns and eye damage. Causes serious eye damage.

Precautionary Statements.

Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse.

Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): The Safety Information Sheet Chemicals of hazardous chemical can be obtained through phone, email or on the company website.

Supplemental information: None.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Name of Hazardous Ingredients	CAS No.	WT.%
Butane	106-97-8	2.5-10
Diethylene Glycol Monobutyl Ether	112-34-5	2.5-10
Sodium Hydroxide	1310-73-2	2.5-10
D-Glucopyranose, Oligomeric, Decyl Octyl Glycosides	68151-73-1	1-2.5
Propane	74-98-6	1-2.5
Other components below reportable levels		80-90

#: This substance has workplace exposure limit(s).

***Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4.FIRST AID MEASURES

Inhalation. Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact. Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash clothing separately before reuse.

Eye Contact. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion. Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed. Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of immediate medical attention and special treatment needed. Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General Information. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5.FIRE FIGHTING MEASURES

Suitable Extinguishing Media. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable Extinguishing Media. Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical. Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire-fighting equipment/instructions. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards. Extremely flammable aerosol.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up. Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions. Avoid discharge into drains, water courses or onto the ground.

7.HANDLING AND STORAGE

Handling: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid contact with skin, eyes and clothing. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not re-use empty containers. Do not get in eyes, on skin, or on clothing. Avoid breathing dust/fume/-gas/mist/vapors/spray. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Storage: Level 1 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

8.EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm
Sodium Hydroxide (CAS 1310-73-2)	PEL	2 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Butane (CAS 106-97-8)	STEL	1000 ppm	
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.
Sodium Hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3	

8.EXPOSURE CONTROLS/ PERSONAL PROTECTION (CONTINUED)

US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m3 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm
Sodium Hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

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

Appropriate engineering controls. Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment (PPE)

Eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield. Do not get in eyes. Eye wash fountain is recommended.

Hand protection. Wear appropriate chemical resistant gloves.

Skin protection. Wear appropriate chemical resistant clothing.

Respiratory protection. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards. Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations. When using do not smoke. Always observe good personal hygiene measures, such as washing considerations after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9.PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Gas
Form	Aerosol
Color	Colorless
Odor	Characteristic
Odor threshold	Not available
pH	13 - 14
Melting point/freezing point	Not available
Initial boiling point and boiling range	212 °F (100 °C) estimated
Flash point	-156.0 °F (-104.4 °C) Propellant estimated
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Flammability limit - lower (%)	Not available
Flammability limit - upper (%)	Not available
Explosive limit - lower (%)	Not available
Explosive limit - upper (%)	Not available
Vapor pressure	27.3 psig @70F estimated
Vapor density	Not available
Relative density	Not available
Solubility(ies)	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Specific gravity	1.027 estimated

10.STABILITY AND REACTIVITY

Reactivity: Reacts violently with strong acids. This product may react with oxidizing agents.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials. Fire or intense heat may cause violent rupture of packages.

Incompatible materials: Acids. Strong oxidizing agents. Oxidizing agents.

Hazardous decomposition products: No hazardous decomposition products are known.

11.TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion. Causes digestive tract burns. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

Inhalation. May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact. Causes severe skin burns.

Eye contact. Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics. Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Causes severe eye damage.

Information on toxicological effects.

Acute toxicity. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Product/Ingredient Name	Result	Species	Dose
Layton Grill & Oven Cleaner (CAS Mixture)			
Acute			
Dermal	LD50	Rat	15720 mg/kg
Inhalation	LC50	Rat	3940 mg/l/4h
Butane (CAS 106-97-8)			
Acute			
Inhalation	LC50	Mouse	1237 mg/l, 120 Minutes
			52 %, 120 Minutes
		Rat	1355 mg/l
D-Glucopyranose, Oligomeric, Decyl Octyl Glycosides (CAS 68515-73-1)			
Acute			
Dermal	LD50	Rabbit	> 2000 mg/kg, 24 Hours
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)			
Acute			
Dermal	LD50	Rabbit	2764 mg/kg, 24 Hours
		Rat	2021 mg/kg
Inhalation	LD50	Rat	74 mg/l/4h
Oral	LD100	Rabbit	4000 mg/kg
	LD50	Guinea pig	2000 mg/kg
		Mouse	2410 mg/kg
		Rabbit	2500 - 3000 mg/kg
		Rat	3306 mg/kg

11.TOXICOLOGICAL INFORMATION (CONTINUED)

Product/Ingredient Name	Results	Species	Dose
Propane (CAS 74-98-6)			
Acute			
Inhalation	LC50	Mouse	1237 mg/l, 120 Minutes
			52 %, 120 Minutes
		Rat	1355 mg/l
			658 mg/l/4h
Sodium Hydroxide (CAS 1310-73-2)			
Acute			
Dermal	LD50	Rat	1350 mg/kg

*Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation. Causes severe skin burns and eye damage.

Serious eye damage/eye irritation. Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization. Not a respiratory sensitizer.

Skin sensitization. This product is not expected to cause skin sensitization.

Germ cell mutagenicity. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050). Not listed.

Reproductive toxicity. This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure. Not classified.

Specific target organ toxicity - repeated exposure. Not classified.

Aspiration hazard. Not an aspiration hazard. Not likely, due to the form of the product.

Chronic effects. Prolonged inhalation may be harmful.

12.ECOLOGICAL INFORMATION

Ecotoxicity. The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product/Ingredient Name	Results	Species	Dose
Layton Grill & Oven Cleaner (CAS Mixture)			
Aquatic			
Algae	IC50	Algae	1481 mg/L, 72 Hours
Crustacea	EC50	Daphnia	48 Hours
Fish	LC50	Fish	631 mg/L, 96 Hours
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)			
Aquatic			
Crustacea	EC50	Daphnia	2803 mg/L, 48 Hours
Fish	LC50	Bluegill	1300 mg/l, 96 hours
		Fish	1304 mg/L, 96 Hours
Sodium Hydroxide (CAS 1310-73-2)			
Aquatic			
Crustacea	EC50	Water flea	34.59 - 47.13 mg/l, 48 hours
Fish	LC50	Fish	45, 96 Hours

12.ECOLOGICAL INFORMATION (CONTINUED)

*Estimates for product may be based on additional component data not shown.

Persistence and degradability. No data is available on the degradability of this product.

Bioaccumulative potential. No data available.

Partition coefficient n-octanol / water (log Kow)

Butane	2.89
Diethylene Glycol Monobutyl Ether	0.56
Propane	2.36

Mobility in soil. No data available.

Other adverse effects. No other adverse environmental effects (e.g. ozone depletion, photo-chemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13.DISPOSAL CONSIDERATIONS

Disposal instructions.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations. Dispose in accordance with all applicable regulations.

Hazardous waste code. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

14.TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	UN1950	Aerosols, flammable	2.1		2.1, 8

Special precautions for user. Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Special provisions. 153, N82

Packaging exceptions. LTD QTY

Packaging non bulk. None

Packaging bulk. None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
IATA Classification	UN1950	Aerosols, flammable, containing substances	8	III	2.1, 8

14.TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
IATA Classification	UN1950	Aerosols, flammable, containing substances	2.1	III	2.1, 8

Environmental hazards. No.

ERG Code. 10C

Special precautions for user. Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Other Information.

Passenger and cargo aircraft. Allowed.

Cargo aircraft only. Allowed.

Packaging Exceptions. LTD QTY

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
IATA Classification	UN1950	AEROSOLS	2.1	III	2.1, 8

Environmental hazards. No.

EmS. F-D, S-U

Special precautions for user. Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions. LTD QTY

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.
Not applicable.

DOT

IATA; IMDG

15. REGULATORY INFORMATION

U.S. Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4): Sodium Hydroxide (CAS 1310-73-2) Listed.

SARA 304 Emergency release notification: No listed substance

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance. Not listed

SARA 311/312 Hazardous chemical. No

SARA 313 (TRI reporting). Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List. Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Safe Drinking Water Act (SDWA). Not regulated.
US state regulations. This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)
US. New Jersey Worker and Community Right-to-Know Act
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)
US. Pennsylvania Worker and Community Right-to-Know Law
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)
US. Rhode Island RTK
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Sodium Hydroxide (CAS 1310-73-2)
US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

15.REGULATORY INFORMATION

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16.OTHER INFORMATION

References

EPA: AQUIRE database

NLM: Hazardous Substances Data Base

US. IARC Monographs on Occupational Exposures to Chemical Agents

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **Date of Issue: 3/11/2025**

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.