Safety Data Sheet

Section 1 – Identification of the substance/preparation and of the company/undertaking

Identification of the substance or mixture

Product name: Advanced^{tm} DNA Fast Extract Kit
Catalog number: 801-200-**
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Company details

Wisent Inc.
3645 Principale
Saint-Jean-Baptiste, Qc
Canada J0L2B0
Telephone: +1 (450) 446-2660
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Wisent Inc.
PO Box 131
St-Bruno, Qc
Canada, J3V 4P8

Section 2 – Hazards identification

Classification of the substance or mixture

GHS Classification in accordance with Hazardous Products Regulations (1272/2008/EC)
H315 Skin Irritant (Category 2)
H319 Eye Irritant (Category 2)
H 334 Respiratory Sensitivity (Category 1)
Specific Target Organ Toxicity (Single exposure- Respiratory tract irritation) (Category 3)

GHS Label elements, including precautionary statements

Pictogram

Signal word
Warning
Danger

Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.

Precautionary statement(s)
P261S Avoid breathing dust.
P280sh Wear protective glove/eye protection
P302+ 352 IF ON SKIN: Wash with plenty of 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.

Section 3 – Composition/Information on ingredients

Hazardous components

CAS#	Composant	-CE#	Concentration	Classification
56-81-5	Glycerol	200-289-5	-	-
39450-01-6	Proteinase K	254-457-8	5-10%	H315;H319;H334;H335

Section 4 – First aid measures

Description of first aid measures
General advice
No special measures required.
If inhaled
Supply fresh air; consult doctor in case of complaints.
In case of skin contact
Generally the product does not irritate the skin.
In case of eye contact
Rinse opened eye for several minutes under running water
If swallowed
Induce vomiting and call for medical help.
Most important symptoms and effects, both acute and delayed
No data available
Indication of any immediate medical attention and special treatment needed
No data available.

Section 5 – Firefighting measures

Extinguishing media
Suitable extinguishing media
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam
Special hazards arising from the substance or mixture
No data available

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.
Further information
No data available

Section 6 – Accidental release measures

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
For personal protection see section 8
Environmental precautions
Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water
Methods and materials for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13.
Reference to other sections
For disposal see section 13. For personal protection equipment see section 8. For information on safe handling see section 7.

Section 7 – Handling and storage

Precautions for safe handling
No special measures required. For precautions see section 2.
Conditions for safe storage, including any incompatibilities
No special measures required. Recommended storage temperature -20 °C Storage class (TRGS 510): 12: Non Combustible Liquids

Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8 – Exposure controls/personal protection

Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment
Eye/face protection
The usual precautionary measures should be adhered to when handling chemicals.
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 9 – Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Odour	Odourless
Odour Threshold	No data available
pH	No data available
Melting point	Undetermined
Boiling point	100°C
Flash point	> 55°C
Auto ignition temperature	270°C
Decomposition temperature	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability	No data available
Upper explosion limit	1.8 Vol %
Lower explosion limit	63.0 Vol %
Vapour pressure	23 hPa
Vapour density	No data available
Relative density	No data available
Relative vapour density	No data available
Specific gravity	No data available
Water Solubility	Fully miscible
Solubility (solvents)	Organic solvents: 12.0 % Water: 71.3 % Solids content: 16.7 %
Partition coefficient	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Section 10 – Stability and reactivity

Reactivity
No data available.
Chemical stability
Stable under recommended storage conditions.
Possibility of hazardous reactions
No dangerous reactions known.
Conditions to avoid
No data available
Incompatible materials
No data available
Hazardous decomposition products
No dangerous decomposition products known.

Section 11 – Toxicological information

Information on toxicological effects
Acute toxicity
LD/LC50 values that are relevant for classification: 67-68-5 dimethyl sulfoxide Oral LD50 14500 mg/kg (rat)
Inhalation: No data available
Dermal: No data available
Skin corrosion/irritation
No data available
Serious eye damage/eye irritation
No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Carcinogenicity
No data available
Reproductive toxicity
No data available
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available
Additional Information
RTECS: Not available

Section 12 –Ecological information

Toxicity
No data available
Persistence and degradability
No data available
Bioaccumulative potential
No data available
Mobility in soil
No data available
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

Section 13 – Disposal considerations

Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. **Contaminated packaging**
Dispose of as unused product.

Section 14 – Transport information

TDG (Canada)
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

Section 15 – Regulatory information

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

Section 16 – Other information

MSDS Date of revision: January 2021

For research use only. Not use for diagnostic procedures.