

Safety Data Sheet (SDS)


Date: Apr. 3, 20

Product: VORTEX DECON
Codes: 93220, 93221, 93222, 93223

1. Identification

PRODUCT NAME:	VORTEX DECON	PRODUCT CODE:	93220, 93221, 93222, 93223
USE:	Cleaner, disinfectant	RESTRICTIONS:	All other uses than those indicated on the product label and technical data sheet.
MANUFACTURER:	Allspar Solutions Inc. 150 Connie Crescent, Unit 12 Concord, ON L4K 1L9 (905) 760-1964	SUPPLIER:	KCS Supply PO Box 127 Uxbridge, Ontario L9P 1M6 (888) 285-2179
EMERGENCY TELEPHONE NUMBER: CANUTEC - (613) 996-6666			

2. Hazard Identification

HAZARD CLASSIFICATION:	GHS07
LABEL ELEMENTS:	
SYMBOL:	
SIGNAL WORD:	Warning
HAZARD STATEMENT:	H319 CAUSES EYE IRRITATION
PRECAUTIONARY STATEMENT:	P264 Wash thoroughly after handling. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 IF EYE IRRITATION PERSISTS: Get medical attention. P501 Dispose of contents and container in accordance with local, regional and national regulations.
OTHER HAZARDS:	None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME	CAS REGISTRY	CONCENTRATION
Hydrogen peroxide		7722-84-1	0.5 - 2
For production reasons a range is given. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section NOTE: Confidential business information rules can apply.			

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4. FIRST-AID MEASURES

FIRST-AID MEASURES BY ROUTE OF EXPOSURE:

INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
SKIN CONTACT:	Wash with soap and water and rinse thoroughly. If skin irritation or a rash occurs: Get medical advice/attention.
EYE CONTACT:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
INGESTION:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Get medical attention immediately. Call a poison center or physician.
MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE OR DELAYED):	May cause eye irritation.
IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NECESSARY:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	CO ₂ , sand, extinguishing powder for surrounding fire.
UNSUITABLE EXTINGUISHING MEDIA:	NAV
SPECIFIC HAZARDS ARISING FROM THE HAZARDOUS PRODUCT:	In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: carbon monoxides and dioxides (CO _x)
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	No special measures required
ADDITIONAL INFORMATION:	This product is not flammable

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Wear recommended protective equipment(s). Keep unprotected persons away.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	SMALL SPILL: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Alternatively absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. LARGE SPILL: Stop leak if without risk. Move containers from spill

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area. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product.
CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBLE MATERIAL:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS, INCLUDING OCCUPATIONAL EXPOSURE GUIDELINES OR BIOLOGICAL EXPOSURE LIMITS AND THE SOURCE OF THOSE VALUES:	
APPROPRIATE ENGINEERING CONTROLS:	Showers, Eyewash stations, Ventilation systems
INDIVIDUAL PROTECTION MEASURES (E.G. PERSONAL PROTECTIVE EQUIPMENT):	Avoid contact with the eyes and skin. Do not breathe dust, fume, gas, mist, vapours or spray. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed. Breathing equipment: No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required. Protection of hands: Impervious gloves complying with an approved standard should be worn at all times when handling chemical products. Eye protection: No special protective equipment required. Body protection: No special protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear Liquid	PH	6.5 (+/- 0.5)
ODOUR	Neutral	ODOUR THRESHOLD	NAV
MELTING POINT	NAV	FREEZING POINT	~ 0°C
INITIAL BOILING POINT	~ 100°C	FLASH POINT	>93°C
EVAPORATION RATE	NAV	FLAMMABILITY	NAP

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LOWER FLAMMABLE LIMIT	NAP	UPPER FLAMMABLE LIMIT	NAP
VAPOUR PRESSURE	NAV	VAPOUR DENSITY	NAV
RELATIVE DENSITY	1.01	SOLUBILITY	Complete in water
PARTITION COEFFICIENT	NAV	AUTO-IGNITION TEMPERATURE	NAP
DECOMPOSITION TEMPERATURE	NAV	VISCOSITY	500 cps

10. STABILITY AND REACTIVITY

REACTIVITY:	No specific test data related to reactivity available for this product or its ingredients.
CHEMICAL STABILITY:	The product is stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Under normal conditions of storage and use, hazardous reactions will not occur.
CONDITIONS TO AVOID:	No specific data.
INCOMPATIBLE MATERIALS:	None known.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Oral, Dermal, Inhalation.

Hydrogen peroxide 7722-84-1	LD50 (Oral)	801 mg/kg (Rat)
	LD50 (Dermal)	4.06 g/kg (Rat) 2 g/kg (Rabbit)
	LC50 (Inhalation, 4 hr)	2 g/m3 (Rat, 4 h)

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

IF ON THE EYE: May cause redness and tearing of eyes.

SENSITIZATION: No sensitizing effects known

DELAYED AND IMMEDIATE EFFECTS, AND CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE:

Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

ADDITIONAL TOXICOLOGICAL INFORMATION: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

CARCINOGENIC CATEGORIES:

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
HYDROGEN PEROXIDE 7722-84-1	A3	Group 3	---	---

ACGIH (American Conference of Governmental Industrial Hygienists) A3 - Animal Carcinogen

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IARC (International Agency for Research on Cancer) Group 3 - Not classifiable as to carcinogenicity to humans

Reproductive Toxicity - No information available.

STOT - single exposure - No information available.

STOT - repeated exposure - No information available.

Chronic Toxicity No known effect based on information supplied.

Target Organ Effects Respiratory system, eyes, skin, gastrointestinal tract (GI).

Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

ATEmix (oral)

24 g/kg

ATEmix (dermal)

45 g/kg (ATE)

ATEmix (inhalation-dust/mist)

37 mg/L

ATEmix (inhalation-vapor)

250 mg/L ATEmix

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendation: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Uncleaned packagings: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Recommendation: Disposal must be made according to official regulations.

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Recommended cleansing agent: Water.

14. TRANSPORT INFORMATION

UN NUMBER	Not regulated.
UN PROPER SHIPPING NAME	Not regulated.
TRANSPORT HAZARD CLASS(ES)	Not regulated.
PACKING GROUP	Not regulated.
ENVIRONMENTAL HAZARDS	Not regulated.
TRANSPORT IN BULK, IF APPLICABLE	Not regulated.
SPECIAL PRECAUTIONS	Not regulated.

15. REGULATORY INFORMATION

Canada

WHMIS Hazard Class
Not controlled.

Chemical Inventories

TSCA All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.
DSL/NDSL All components are on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals that are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substance that is regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrogen peroxide 7722-84-1	X	X	X	X

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CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Hydrogen peroxide 7722-84-1	-	1000 lb	-

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

16. OTHER INFORMATION

Date of latest revision:	Apr. 3, 20
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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 or 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. Allspar Solutions Inc. expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.

END OF SDS.