

SAFETY DATA SHEET



1. IDENTIFICATION

Product Name: **Corona Blend S**
Synonyms: WHO alcohol-based handrub formulation
CAS Number: Mixture
Product Use: Inactivating potentially harmful microorganisms

Manufacturer/Supplier: Slack Chemical Co., Inc
465 South Clinton St.
Carthage, NY 13619
800.479.0430

www.slackchem.com
sds_request@slackchem.com

Transportation Emergency Number: CHEMTREC: 800.424.9300

2. HAZARDS IDENTIFICATION

GHS Classification

Physical Hazards	Flammable liquids	Category 2
Health Hazards	Skin corrosion/irritation	Category 3
	Eye damage/irritation	Category 2A
	Specific target organ toxicity, single exposure	Category 3

GHS Label Elements



Signal Word: **DANGER!**

Hazard Statements

H225	Highly flammable liquid and vapor.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.

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P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303/361/353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304/340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P332/313	If skin irritation occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P370/378	In case of fire: Use water spray to extinguish.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Weight %
Isopropanol	67-63-0	75
Glycerine/Glycerol	56-81-5	1.45
Hydrogen Peroxide	7722-84-1	< 1

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If rapid recovery does not occur, seek medical attention.

Eye: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Seek medical attention if irritation develops or persists.

Skin: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. Seek medical attention if irritation develops or persists.

Ingestion: If swallowed, do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol-resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Fire Fighting Procedures: Proper protective equipment including chemical resistant gloves. Chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space.

Unusual Fire and Explosion Hazards: The vapor is heavier than air, spreads along the ground and distant ignition is possible.

Combustion Products: Carbon monoxide may be evolved if incomplete combustion occurs.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. The vapor is heavier than air, spreads along the ground and distant ignition is possible. Vapor may form an explosive mixture with air. Avoid contact with skin, eyes and clothing. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Stay upwind and keep out of low areas.

Environmental Precautions: Shut off leaks if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning Up: For large spills, transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For small spills, transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin, eyes and clothing. Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols.

Conditions for Safe Storage, Including Any Incompatibilities: Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	OSHA PEL-TWA	ACGIH TLV-TWA
Isopropanol (CAS 67-63-0)	400 ppm	200 ppm 400 ppm (STEL)

Engineering Controls: Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines/limits. Local exhaust ventilation is recommended. Firewater monitors and deluge systems are recommended. Eye washes and showers for emergency use. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

Personal Protective Equipment (PPE)

Eye/Face Protection: Goggles. Wear full face shield if splashes are likely to occur.

Skin Protection: Where hand contact with the product may occur, use gloves approved to relevant standards. Skin protection is not required under normal conditions of use. For prolonged or repeated exposures use impervious clothing over parts of the body subject to exposure.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, clear, colorless
Odor	Alcohol
Odor threshold	Not available

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pH	7 - 9	
Melting/freezing point	-88°C	[100% Isopropanol]
Boiling point	82°C	[100% Isopropanol]
Flash point	12°C	[100% Isopropanol-Abel]
Evaporation rate	1.5	[100% Isopropanol]
Flammability	Flammable	
Upper/lower flammability limits	12/2 %V	[100% Isopropanol]
Vapor pressure	6.02 Pa (20°C)	[100% Isopropanol]
Vapor density	2 (20°C)	[100% Isopropanol]
Relative density	0.85	
Solubility	100% (water)	
Partition coefficient: n-octanol/water	0.05	[100% Isopropanol]
Auto-ignition temperature	425°C	[100% Isopropanol]
Viscosity	2.43 cP	[100% Isopropanol]

10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Reacts with strong oxidizing agents.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources. Prevent vapor accumulation. In certain circumstances product can ignite due to static electricity.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, sulfur oxides and unidentified organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Values:

Component	Route	Species	Value
Isopropanol (CAS 67-63-0)	Oral LD ₅₀	Rat	> 5000 mg/kg
	Dermal LD ₅₀	Rabbit	> 5000 mg/kg

Skin Corrosion/Irritation: Causes mild skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (STOT) – Single Exposure: May cause drowsiness or dizziness.

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Specific Target Organ Toxicity (STOT) – Repeated Exposure: Not classified.

Aspiration Hazard: Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Component	Species	Value	
Isopropanol (CAS 67-63-0)	Fathead minnow (<i>Pimephales promelas</i>)	9,640 mg/L	(LC ₅₀ -96 hr)
	Water flea (<i>Daphnia magna</i>)	9,714 mg/L	(EC ₅₀ -24 hr)

Persistence/Degradability: Readily biodegradable.

Bioaccumulation: Accumulation is not expected.

Soil Mobility: Dissolves in water. If the product enters soil, one or more constituents will or may be mobile and may contaminate groundwater.

Other Adverse Affects: Not available.

13. DISPOSAL CONSIDERATIONS

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container may need to be disposed of as hazardous waste. Do not allow this material to drain into sewers or water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents and container in accordance with local, regional, national and/or international regulations. 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.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)

UN/NA Number: UN 1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Packing Group: PG II
Marine Pollutant: No
Labels Required: Flammable
Reportable Quantity: N/A

15. REGULATORY INFORMATION

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants:

Isopropanol (CAS 67-63-0) – No

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention 40 CFR 68.130:

Isopropanol (CAS 67-63-0) – No

Clean Water Act (CWA) 40 CFR 401.15:

Isopropanol (CAS 67-63-0) – No

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Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 40 CFR 302.4:

Isopropanol (CAS 67-63-0) – No

SARA Section 302 Extremely Hazardous Substance 40 CFR 355:

Isopropanol (CAS 67-63-0) – No

SARA Section 311/312 40 CFR 370:

Isopropanol (CAS 67-63-0) – Yes

SARA Section 313 40 CFR 372:

Isopropanol (CAS 67-63-0) – Yes

Toxic Substances Control Act (TSCA):

Isopropanol (CAS 67-63-0) – Yes

Canadian Environmental Protection Act, Domestic Substance List (CEPA-DSL):

Isopropanol (CAS 67-63-0) – Yes

California Proposition 65:

Isopropanol (CAS 67-63-0) – No

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA):

Not applicable

16. OTHER INFORMATION

HMIS RATINGS

Health	2
Flammability	3
Reactivity	0

NFPA RATINGS

Health	2
Flammability	3
Reactivity	0

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