

## SAFETY DATA SHEET

CONTINENTAL CHEMICAL CO.  
4920 E. WASHINGTON BLVD.  
COMMERCE CA. 90040

DATE: September 30, 2024  
EMERGENCY PHONE  
TRANSPORTATION: CHEMTREC: 800-424-9300  
NON-TRANSPORTATION: HJB INC: 323-268-1288

### SECTION I GENERAL INFORMATION

PRODUCT NAME: **SAN-E3-HANDS**

MANUFACTURER: CONTINENTAL CHEMICAL  
HMIS: 020 G

### SECTION II- HAZARDS IDENTIFICATION

#### CLASSIFICATION

GHS CLASSIFICATION:

SKIN CORROSION (CATEGORY 1A)  
SERIOUS EYE DAMAGE (CATEGORY 1)  
ACUTE AQUATIC TOXICITY (CATEGORY 3)

#### GHS LABEL ELEMENTS



PICTOGRAM:

SIGNAL WORD:

HAZARD STATEMENT:

PRECAUTIONARY STATEMENTS:

FLAMMABLE  
H314: CAUSES SEVERE EYE DAMAGE  
H402: NOT HARMFUL TO AQUATIC LIFE  
P280: WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.  
P305/P351/P338: **IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES. CONTINUE RINSING.**  
P313: GET MEDICAL ATTENTION.

HMIS CLASSIFICATION:

HEALTH HAZARD: 0  
FLAMMABILITY: 2  
PHYSICAL HAZARDS: 0

NFPA RATING:

HEALTH HAZARD: 0  
FIRE: 2  
REACTIVITY HAZARD: 0

**POTENTIAL HEALTH EFFECTS**

INHALATION:	MAY BE HARMFUL IF INHALED. MATERIAL IS EXTREMELY DESTRUCTIVE TO THE TISSUE OF THE MUCOUS MEMBRANE AND UPPER RESPIRATORY TRACT.
SKIN:	NONE
EYES:	CAUSE SEVERE EYE BURNS.
INGESTION:	TOXIC IF SWALLOWED. DO NOT INGEST.

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**SECTION III CHEMICAL COMPOSITION**

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COMPONENT	CAS#	CONCENTRATION
ISOPROPYL ALCOHOL	67-63-0	min. 70%
DI-(C8-C10)-ALKYL DIMETHYL AMMONIUM CHLORIDES	68424-95-1	< 1.0%
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1	< 1.0%

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**SECTION IV FIRST AID MEASURES**

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IF INHALED:	IF INHALED, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.
SKIN CONTACT:	NONE
EYE CONTACT:	FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.
IF INGESTED:	<b>DO NOT</b> INDUCE VOMITING UNLESS INSTRUCTED TO DO SO BY A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

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**SECTION V FIREFIGHTING MEASURES**

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FLAMMABILITY OVERVIEW:	CONSIDERED A FLAMMABLE SOLVENT SOLUTION.
FLASH POINT:	20°C ASTM D-56
EXTINGUISHING MEDIA:	USE WATER-SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
SPECIAL PROTECTIVE EQUIPMENT:	WEAR A SELF-CONTAINED BREATHING APPARATUS (SCBA) FOR FIREFIGHTING, IF NECESSARY.
HAZARDOUS COMBUSTION PRODUCTS:	HAZARDOUS DECOMPOSITION PRODUCTS UNDER FIRE CONDITION: OXIDES OF CARBON, SMOKE, FUMES.

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**SECTION VI ACCIDENTAL RELEASE MEASURES**

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PERSONAL PRECAUTIONS:	USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPORS, MIST OR GAS. ALWAYS ENSURE ADEQUATE VENTILATION. EVACUATE PERSONNEL TO SAFE AREAS.
ENVIRONMENTAL PRECAUTIONS:	PREVENT FURTHER LEAKAGE OR SPILLAGE. PREVENT FROM ENTERING DRAINS AND

CONTAINMENT AND CLEAN UP:

WATERWAYS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

SOAK UP WITH INERT ABSORBENT MATERIAL AND DISPOSE OF AS HAZARDOUS WASTE. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

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## SECTION VII HANDLING AND STORAGE

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SAFE HANDLING:

USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPORS, MIST OR GAS. ALWAYS ENSURE ADEQUATE VENTILATION.

SAFE STORAGE:

KEEP CONTAINERS TIGHTLY CLOSE IN A DRY WELL VENTILATED PLACE. CONTAINERS WHICH ARE OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE. STORE AWAY FROM INCOMPATIBLE MATERIALS.

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## SECTION VIII EXPOSURE CONTROLS/ PERSONAL PROTECTION

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### EXPOSURE LIMITS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>EXPOSURE LIMIT</u>	<u>BASIS</u>
ISOPROPYL ALCOHOL	67-63-0	400 mg/m <sup>3</sup> 980 mg/m <sup>3</sup> 200 mg/m <sup>3</sup>	ACGIH-TLV OSHA TABLE Z-1 NIOSH EXPOSURE LIMITS

### PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION:

WEAR TIGHTLY FITTING SAFETY GOGGLES AND FACE SHIELD. USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER NIOSH. HAVE EYE-WASH STATIONS AVAILABLE WHERE EYE CONTACT CAN OCCUR.

HAND PROTECTION:

NONE

SKIN PROTECTION:

NONE

RESPIRATORY PROTECTION:

WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE, USE A NIOSH-APPROVED FULL FACE RESPIRATOR WITH APPROPRIATE CARTRIDGES. RESPIRATORY PROTECTION MUST BE PROVIDED IN ACCORDANCE WITH OSHA 29 CFR 1910.134.

GENERAL CONTROLS:

ALWAYS ENSURE ADEQUATE VENTILATION AND THAT WORKING AREAS CONTAINS SAFETY SHOWERS AND EYE WASH STATIONS. HANDLE MATERIAL IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

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## SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE:

LIQUID

COLOR:

CLEAR

ODOR:

ALCOHOL

pH (as is):

NOT DETERMINE

VAPOR PRESSURE:	4.1 KPa @ 20°C
BOILING POINT:	83 – 85°C
VAPOR DENSITY (air = 1):	> 1
SPECIFIC GRAVITY:	0.85 – 0.86 @ 25°C
SOLUBILITY IN WATER:	COMPLETE

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## SECTION X STABILITY AND REACTIVITY

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CHEMICAL STABILITY:	STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
MATERIALS TO AVOID:	AVOID HEAT, SPARKS, OPEN FLAMES OXIDIZING AGENTS, CAUSTICS, CHLORINATED COMPOUNDS.
HAZARDOUS DECOMPOSITION:	NONE

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## SECTION XI TOXICOLOGICAL INFORMATION

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### ACUTE TOXICITY

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>TEST</u>	<u>TOXICITY</u>
ISOPROPYL ALCOHOL	67-63-0	ORAL LD50 (Rat) SKIN-DRAIZE (Rabbit) INHALATION LC50	5840 mg/Kg 13900 mg (24 hr) 25000 mg/m3

### POTENTIAL HEALTH EFFECTS

INHALATION:	MAY BE HARMFUL IF INHALED. MATERIAL IS EXTREMELY DESTRUCTIVE TO THE TISSUE OF THE MUCOUS MEMBRANE AND UPPER RESPIRATORY TRACT.
SKIN:	N/A.
EYES:	CAUSES SEVERE EYE BURNS.
INGESTION:	TOXIC IF SWALLOWED. DO NOT INGEST.
SYMPTOMS OF EXPOSURE:	BURNING SENSATION, NAUSEA, COUGH, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, SPASM, INFLAMMATION, AND EDEMA OF THE LARYNX. SPASM, INFLAMMATION, AND EDEMA OF THE BRONCHI, PNEUMONITIS, PULMONARY EDEMA, HEADACHE.
CHRONIC EFFECTS OF EXPOSURE:	NO DATA AVAILABLE
CARCINOGENICITY:	NO COMPONENTS OF THIS PRODUCT AT LEVELS GREATER THAN 0.1% IS IDENTIFIED AS CARCINOGENIC BY IARC, ACGIH, OR OSHA.

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## SECTION XII ECOLOGICAL INFORMATION

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### ACUTE ECOTOXICITY

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>ORGANISM</u>	<u>ECOTOXICITY</u>
ISOPROPYL ALCOHOL	67-63-0	NONE	NONE

### ECOLOGICAL EFFECTS

PERSISTENCE AND DEGRADABILITY: NO DATA AVAILABLE

BIOACCUMULATION POTENTIAL:	NOT EXPECTED TO BIO-ACCUMULATE
MOBILITY IN SOIL:	NO DATA AVAILABLE
OTHER ADVERSE EFFECTS:	NONE

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### SECTION XIII DISPOSAL

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DISPOSAL:	SURPLUS AND NON-RECYCLABLE MATERIAL SHOULD BE TREATED AS HAZARDOUS WASTE AND BE DISPOSED OF BY A LICENSED DISPOSAL COMPANY. DO NOT RELEASE INTO SEWERS OR WATERWAYS.
CONTAMINATED PACKAGING:	DISPOSE OF AS UNUSED PRODUCT.

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### SECTION XIV TRANSPORTATION

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PRODUCT NAME:	SAN E3 HANDS
PROPER SHIPPING NAME:	ISOPROPANOL
ID NUMBER:	UN 1219
HAZARD CLASS OR DIVISION:	3
PACKING GROUP:	II
DOT HAZARDOUS SUBSTANCE:	ISOPROPANOL

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### SECTION XV REGULATORY INFORMATION

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#### US FEDERAL

SARA 302 COMPONENTS:	NONE LISTED
SARA 311/312 HAZARDS:	ACUTE HEALTH HAZARD
SARA 313 COMPONENTS:	NONE LISTED
TSCA INVENTORY:	ISOPROPYL ALCOHOL (CAS 67-63-0)

#### EUROPEAN UNION

EC INVENTORY:	ISOPROPYL ALCOHOL
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#### STATE REGULATIONS

CA PROP 65:	NONE LISTED
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### SECTION XVI OTHER INFORMATION

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SDS VERSION:	1.0
REVISION DATE:	04/04/2015
SUPERSEDES:	NEW TO GHS

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