

SAFETY DATA SHEET (SDS)

1 - IDENTIFICATION

MANUFACTURER: DANA CHEMICALS INC.
3532 GRIFFITH
ST-LAURENT, QUEBEC, CANADA H4T 1A7

PRODUCT NAME: **DAN-SAN**
PRODUCT USE: Alcohol-based Hand Sanitizer
EMERGENCY PHONE NUMBER: 514-731-6836
514-924-6836
514-578-4647

CAS #: N/A (mixture)

2 – HAZARD IDENTIFICATION

WARNING

Flammable Liquid and Vapour
Causes serious eye irritation



Precautionary Statement:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not eat, drink or smoke when using this product.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national regulations.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Identity</u>	<u>% Concentration</u>
2-Propanol (CAS 67-63-0)	60-62
Glycerin (CAS 56-81-5)	0-2
Propylene Glycol (CAS 57-55-6)	0-2

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.

4 – FIRST-AID MEASURES

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

5 – FIRE-FIGHTING MEASURES

FLASH POINT AND METHOD DEG.C: 40 (TCC)

AUTO-IGNITION TEMPERATURE DEG.C: N/A

FLAMMABLE LIMITS (% IN AIR): N/A

FIRE & EXPLOSION HAZARDS: Vapour forms an explosive mixture between upper and lower flammable limits.

EXTINGUISHING MEDIA: Carbon dioxide, foam, water fog, dry chemical.

FIRE FIGHTING INSTRUCTIONS: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6 – ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP: Extinguish all flames in the vicinity. Should not be released into the environment. Clean up in accordance with all applicable regulations.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7 – HANDLING AND STORAGE

HANDLING PROCEDURES: Avoid breathing vapours and prolonged and repeated contact with the skin. Transfer equipment should be properly grounded. Empty containers may contain hazardous residues and should be commercially cleaned before reuse.

STORAGE REQUIREMENTS: Keep container closed when not in use. Store in a well-ventilated area away from oxidizing and reducing agents, heat, and all sources of ignition.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: Maintain eyewash fountain nearby

9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid
ODOUR	Alcohol Smell
ODOUR THRESHOLD	-
PH OF 1% SOLUTION	-
MELTING POINT AND FREEZING POINT	-
INITIAL BOILING POINT AND BOILING RANGE	85°C – 100°C (760mmHg)
FLASH POINT	40°C
EVAPORATION RATE (BUTYL ACETATE =1)	N/A
FLAMMABILITY	Yes
UPPER AND LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not determined
VAPOUR PRESSURE	N/A
VAPOUR DENSITY	>1
RELATIVE DENSITY (WATER = 1)	0.70 – 0.90 (at 20°C)
SOLUBILITY (IN WATER)	100% in water
PARTITION COEFFICIENT -- N-OCTANOL/WATER	-
AUTO-IGNITION TEMPERATURE	N/A
DECOMPOSITION TEMPERATURE	-
VISCOSITY	-

10 – STABILITY AND REACTIVITY

REACTIVITY: Not expected to be explosive, self-reactive, self-heating or an organic peroxide under Canada WHMIS definitions.

STABILITY: Stable. Avoid sparks, open flames and other sources of ignition.

INCOMPATIBILITY: Strong oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION: Carbon monoxide and carbon dioxide produced on combustion.

HAZARDOUS POLYMERIZATION: None.

11 – TOXICOLOGICAL INFORMATION

<u>Chemical Identity</u>	<u>LD50/LC50/T.L.V</u>
2-Propanol (CAS 67-63-0)	T.L.V=400ppm (ACGIH 1980)
Glycerin (CAS 56-81-5)	LD50: 20000 mg/kg [ORAL-RAT]
Propylene Glycol (CAS 57-55-6)	LD50: 20300 mg/kg [ORAL-RAT]

EYE CONTACT: Adverse symptoms may include the following: pain or irritation, watering, redness

INHALATION: Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness

INGESTION: Adverse symptoms may include the following: nausea or vomiting

SENSITIZATION: Not available.

CHRONIC EFFECTS: Hazardous by WHMIS criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12 – ECOLOGICAL INFORMATION

ECOTOXICITY: Not available

ENVIRONMENTAL EFFECTS: Not available

BIOACCUMULATIVE POTENTIAL: Not available.

PERSISTENCE AND DEGRADABILITY: Not available.

OTHER ADVERSE EFFECTS: Not available.

13 – DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Dispose in accordance with all applicable regulations.

WASTE FROM RESIDUES / UNUSED PRODUCTS: Dispose of in accordance with all applicable regulations. Empty containers may retain some product residues. This material and its container must be disposed of as per all applicable regulations.

14 – TRANSPORT INFORMATION

TDG CLASSIFICATION: Not regulated

IATA CLASSIFICATION: Not classified

IMDG CLASSIFICATION: Not classified

15 – REGULATORY INFORMATION

WHMIS CLASSIFICATION: B-2, D-2B

WHMIS LABELING:



NOTICE:

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16 – OTHER INFORMATION

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