

Reference: Ethanol/IPA 70%
Revision Date: 9 Jun 2020
Revision Number: Rev03
Trade Name: Sani70

1. Identification of the substance and of the company undertaking

1.1 Product identifier

Product Name: Sani70

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s): Cleaner & disinfectant

Uses advised against: Follow supplier's recommendations on correct use of the product. Uses other than those covered by the exposure scenarios included in this safety data sheet are not supported.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Adamtech Ltd
7B Whitebridge Estate
Stone
Staffordshire
ST15 8LQ

Telephone: : 0044 (0) 1785 286660

Fax: : 0044 (0) 1785 286661

1.4 Emergency telephone number

In case of emergency call: 0044 1785 286660 (not 24 hr)

2. HAZARDS IDENTIFICATION:

2.1.1 Classification according to CLP

Flam. Liq. 2; H225

Eye Irrit. 2; H319

STOT SE 3; H336;

2.2 Label Elements



Signal word:

Danger

Hazard Statement(s): H225: Highly flammable liquid and vapour
H319: Causes serious eye irritation

Precautionary Statement(s) 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, if present and easy to do. Continue rinsing.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Supplementary Hazard Information (EU):

Other Hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3 Composition/Information on Ingredients

3.1 Substances

Composition:

Identification	CAS No.	EC No.	(EC)1272/2008	REACH No	%
Ethanol	64-17-5	200-578-6	H225 Flam. Liq.2 H319 Eye Irrit.2	01-2119457610-43-xxxx	40%
Propan-2-ol	67-63-0	200-661-7	Flam Liq. 2,H225 Eye Irrit 2, H319 STOT SE 3,H336	01-2119457558-25-XXX	30%

4. FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation:** Move to fresh air. If symptoms persist, call a physician.
- Eyes:** : Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Remove contact lenses. If symptoms persist, call a physician.
- Skin:** : Wash off with plenty of water. Remove contaminated clothing and shoes. If symptoms persist, call a physician.
- Ingestion:** : Rinse mouth. Drink 1 or 2 glasses of water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed:

See Section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Carbon dioxide, AFFF, dry chemical

Unsuitable extinguishing media: Water jet

media:

5.2 Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

In a fire the following may be formed:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

5.3 Advice for firefighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Move undamaged containers from fire area if this can be done safely. Keep fire containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid inhaling dust

Consult the safety measures listed under headings 7 and 8

6.1.2 For emergency responders

Keep unnecessary personnel away. Wear suitable protective clothing (see section 8). Contaminated clothing should be thoroughly cleaned.

6.2 Environmental precautions

Clean and control the leaks or spills with non-combustible absorbent material such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering the drains or waterways

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13)

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

6.3 Methods and materials for cleaning up

Clean preferably with a detergent, do not use solvents

7. HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled

7.1 Precautions for safe handling:

Handle in well ventilated areas

The vapours are denser than air. They can spread along the ground and form explosive mixtures with air.

Prevent the formulation of flammable or explosive concentrations in air and vapour concentrations higher than the occupational exposure limits.

Fire prevention:

Prevent the accumulation of electrostatic charges with connections to earth.

The preparation may become electrostatically charged; always place on the ground during transfer. Wear antistatic shoes and clothes and make floors of conductive materials.

Use the product where there are no naked flames or other sources of ignition and have protected electrical equipment.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures

For personal safety see section 8

Observe precautions stated on the label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Avoid inhaling dust.

Prohibited equipment and procedures

Smoking, eating and drinking are prohibited in premises where the preparation is used.

Never open the packages under pressure.

7.2 Conditions for safe storage, including any incompatibilities

Keep the container tightly closed in a dry place.

Keep from all sources of ignition, heat and direct sunlight – do not smoke.

The floor must be impermeable and form a collecting basin so that in the event of an accidental spillage, the liquid cannot spread beyond this area.

7.3 Specific end use(s)

None specified

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1

8.2 Exposure Controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation to ensure that occupational exposure limits are not exceeded. Local extraction may be required. Eye wash facilities should be available in the work area. Contaminated clothing and shoes should be thoroughly washed before reuse.

8.2.2 Personal protection

Eye protection: Goggles or safety glasses with side shields giving complete protection to eyes (EN166).

Skin protection: Protective work clothing

Hand protection: Chemical resistant gloves (EN374). Suitable glove material butyl rubber or nitrile (breakthrough time >120 minutes). Contact glove supplier to confirm suitable glove material, thickness and breakthrough times.

Respiratory protection: Where airborne levels below the exposure limits cannot be maintained, wear an air-purifying respirator (EN140) with a type A/P2 filter or better suitable for organic gasses and vapours with a boiling point above 65°C (EN14387)

8.2.3 Environmental exposure controls

Inform environmental manager of all incidents involving this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Solid
Odour: Solvent like
Odour threshold: Not specified

pH:	Neutral
Melting/freezing point:	Not specified
Initial boiling point and range:	Not specified
Flash point:	<23°C
Evaporation rate:	Not specified
Flammability (solid, gas):	Flammable
Upper/lower flammability or explosive limits:	Not specified
Vapour pressure:	Not relevant
Vapour density:	Not specified
Relative density:	Not specified
Solubility(ies):	Miscible with water
Partition coefficient: n-octanol/water	Not specified
Auto ignition temperature:	Not specified
Decomposition temperature:	Not specified
Viscosity:	Not specified
Explosive properties:	Not specified
Oxidising properties:	Not specified

9.2 Other Information

VOC (g/L) 700

10. STABILITY AND REACTIVITY

10.1 Reactivity:	No data available
10.2 Chemical stability:	The mixture is stable under the recommended handling and storage conditions in section 7.
10.3 Possibility of hazardous reactions:	When exposed to high temperatures, the mixture can release hazardous decomposition products such as carbon monoxide and dioxide fumes.
10.4 Conditions to avoid:	Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises. Avoid: <ul style="list-style-type: none"> - accumulation of electrostatic charges - heating - heat - flames and hot surfaces
10.5 Incompatible materials:	None specified
10.6 Hazardous decomposition products:	Thermal decomposition may release/form: <ul style="list-style-type: none"> - carbon monoxide (CO) - carbon dioxide (CO₂)

11.1. Information on toxicological effects

Hazardous ingredients:

ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

PROPAN-2-OL

DERMAL	RBT	LD50	16.4	ml/kg
ORAL	RAT	LD50	5840	mg/kg

VAPOURS	RAT	6H LC50	10000	ppm
---------	-----	---------	-------	-----

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Information on likely routes of exposure

Inhalation: Inhalation of vapours irritates the respiratory tract. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness, headache, staggering, unconsciousness and possibly death.

Skin contact: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Eye contact: Splashes in the eyes may cause irritation and irreversible damage.

Ingestion Ingestion can cause drowsiness, unconsciousness, and death. Gastrointestinal pain, cramps, nausea, vomiting, and diarrhoea may also result.

Symptoms related to the physical, chemical and toxicological characteristics: Skin contact causes irritation. Repeated exposure may cause skin dryness or cracking. Eye contact may cause irritation and irreversible damage. Inhalation may result in adverse health effects such as mucus membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. If swallowed may result in adverse health effects such as mucus membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Mixture versus substance information: No data

Other information: None

12. Ecological Information

ETHANOL

Salmo Gairdneri	96H LC50	13000	mg/l
-----------------	----------	-------	------

PROPAN-2-OL

DAPHNIA	24H EC50	10	g/l
FISH	96H LC50	9.64-10	g/l

Bioaccumulative potential: Will not bio-accumulate

Mobility in soil: No data

Results of PBT and vPvB: No data

Other adverse effects: No data

13. DISPOSAL CONSIDERATION

Proper waste management of the mixture and/or it's container must be determined in accordance with Directive 2008/98/EC

13.1 Waste treatment methods

Do not pour into drains or waterways

Waste:

Waste management is carried out without endangering human health, without harming the environment and in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty soiled container completely. Keep label(s) on the container.

Give to a certified contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

10 06 03 * other solvents and solvent mixtures

14. TRANSPORT INFORMATION

IATA/ICAO

- 14.1 **UN Number:** 3175
- 14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol Solution)
- 14.3 **Class:** 4.1 Flammable solid
- 14.4 **Packing Group:** II
- 14.5 **Environmental hazards:** Yes
- 14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

ADR

- 14.1 **UN Number:** 3175
- 14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.(Ethanol Solution)
- 14.3 **Class:** 4.1 Flammable solid
- 14.4 **Packing Group:** II
- 14.5 **Environmental hazards:** Yes
- 14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

ADN

- 14.1 **UN Number:** 3175
- 14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
- 14.3 **Class:** 4.1 Flammable solid
- 14.4 **Packing Group:** II
- 14.5 **Environmental hazards:** Yes

- 14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

RID

- 14.1 **UN Number:** 3175
14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
14.3 **Class:** 4.1 Flammable solid
14.4 **Packing Group:** II
14.5 **Environmental hazards:** Yes
14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

IMDG

- 14.1 **UN Number:** 3175
14.2 **UN Proper shipping name:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol)
14.3 **Class:** 4.1 Flammable solid
14.4 **Packing Group:** II
14.5 **Environmental hazards:** Marine pollutant
14.6 **Special precautions for user:** Read supplier SDS instructions on correct use of the product



Red Striped-coloured Diamond

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 2015/830 as amended.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

16. Other Information

Supplemental Hazard information (EU): Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H319: Causes serious eye irritation.

H331: Toxic if inhaled.
H336: May cause drowsiness or dizziness.

Disclaimer:

This safety data sheet contains important information to ensure the safe storage, handling and use of this product, it does not however constitute an assessment of workplace risks.

Users are advised to refer to relevant legislation, approved codes of practice and guidance available from the Health & Safety Executive (website: <http://www.hse.gov.uk>).

Further information:

The above information is based on our current knowledge of the product. The purpose of this data sheet is to describe the product in terms of its safety and environmental requirements. It is the user's responsibility to satisfy themselves as to the application of this information and/or recommendations for their own use.