

SAFETY DATA SHEET

ISOPROPANOL

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME ISOPROPANOL
 PRODUCT NO. IPS
 SUPPLIER STEHLIN HOSTAG INK UK LTD
 UNIT D4 LINKMEL CLOSE
 QUEENS DRIVE INDUSTRIAL
 ESTATE
 NOTTINGHAM
 NG2 1NA
 Tel : 0115 9860477
 (0115 986 0477 Mon- Fri 24 hrs)
 Fax : 0115 9862681
 e-mail: sds@stehlin.co.uk

2 HAZARDS IDENTIFICATION

Highly flammable. Vapours may cause drowsiness and dizziness. Irritating to eyes.

In use, may form flammable/explosive vapour-air mixtures

CLASSIFICATION (1999/45) Xi;R36. F;R11. R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
PROPAN-2-OL	200-661-7	67-63-0	95-100 %	F;R11 Xi;R36 R67

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Eye bathing equipment should be available on the premises

INHALATION

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor

INGESTION

There may be soreness and redness of the mouth and throat. Wash out mouth with water Consult a doctor.

SKIN CONTACT

There may be irritation and redness at the site of contact Remove all contaminated clothes and footwear immediately, unless stuck to skin. Wash immediately with plenty of water and soap and rinse thoroughly.

EYE CONTACT

There may be irritation and redness The eyes may water profusely. Bathe the eye with running water for 15 minutes Consult a doctor.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Alcohol resistant foam. Water spray. Carbon dioxide (CO₂). Dry chemical powder. Use water spray to cool containers.

SPECIFIC HAZARDS

Highly flammable. Vapour may travel considerable distance to source of ignition and flash back. In combustion emits toxic fumes Forms explosive air-vapour mixture.

PROTECTIVE MEASURES IN FIRE

Wear self contained breathing apparatus. Wear Protective clothing to prevent contact with skin and eyes.

ISOPROPANOL

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak side up to prevent the escape of liquid. Eliminate all sources of ignition.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains or rivers. Contain the spillage using bunding.

SPILL CLEAN UP METHODS

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean up procedure which may produce sparks.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

STORAGE PRECAUTIONS

Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
PROPAN-2-OL	WEL	999 mg/m ³	1250 mg/m ³	

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

RESPIRATORY EQUIPMENT

Self contained breathing apparatus must be available in case of emergency

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Safety glasses. Ensure eye bath is to hand.

SKIN PROTECTION

Protective clothing should be worn.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Liquid

FLASH POINT (°C) 12C

10 STABILITY AND REACTIVITY

STABILITY

Stable under recommended transport and storage conditions Stable under normal conditions Stable at room temperature.

CONDITIONS TO AVOID

Heat. Hot surfaces. Sources of ignition. Flames.

MATERIALS TO AVOID

Strong oxidising agents, strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below. In combustion emits toxic fumes

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Immediate effects can be expected after short-term exposure.

INHALATION

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

ISOPROPANOL

INGESTION

There may be soreness and redness of the mouth and throat.

SKIN CONTACT

There may be irritation and redness at the site of contact

EYE CONTACT

There may be irritation and redness The eyes may water profusely.

Name	PROPAN-2-OL
Toxic Dose 1 - LD 50	IVN RAT 1088 mg/kg ORL RAT 5045 mg/kg
Toxic Dose 2 - LD 50	ORL MUS 3600 mg/kg SCU MUS LDLO 6 mg/kg

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Negligible ecotoxicity This product is not identified as a PBT substance.

MOBILITY

Readily absorbed into soil

BIOACCUMULATION

No bioaccumulation potential

DEGRADABILITY

Biodegradable

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Transfer to a suitable container and arrange for collection by specialised disposal company. NB: The user's attention is drawn to the possible existence of regional and antional regulations regarding disposal.

14 TRANSPORT INFORMATION

GENERAL	No special precautions		
UK ROAD CLASS	3		
PROPER SHIPPING NAME	ISOPROPANOL (ISOPROPYL ALOCOHOL)		
UN NO. ROAD	UN1219	ADR PACK GROUP	II

15 REGULATORY INFORMATION

LABELLING



Irritant



Highly Flammable

RISK PHRASES

R11	Highly flammable.
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

UK REGULATORY REFERENCES

A chemical safety assessment has not been carried out for the substance or mixutre by the supplier

16 OTHER INFORMATION

REVISION COMMENTS

2

ISOPROPANOL

ISSUED BY

B.A Hayden HSQE Manager

REVISION DATE 11/11/10

REV. NO./REPL. SDS GENERATED 2 - replaces 10836 14/5/09

SDS NO. 10852

SAFETY DATA SHEET STATUS

Approved.

DATE 22/2/11

RISK PHRASES IN FULL

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.