



SAFETY DATA SHEET

PERFUMERS ALCOHOL

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Product name: Perfumers Alcohol
Product No.: PERF
CAS-No.: 64-17-5 (Ethanol)
110-27-0 (Isopropyl Myristate)
57-55-6 (Propylene Glycol)
EC No.: Not applicable
REACH: Not known

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Product use: For make perfumes, colognes
In the production of diffuser oils
For professional use only

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

HD Chemicals LTD
UNIT 9 Scott Business Park
PL2 2PB Plymouth UK

Contact Person responsible for SDS: Mr Peter Konefal, e-mail: contact@hdchemicals.co.uk

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification 67/548/EEC: F; R11
Classification – EC 1272/2008: Flammable liquids; Category 2 (H225)

2.2. LABEL ELEMENTS



SIGNAL WORDS

Danger

RISK PHRASES

R11 Highly flammable

HAZARD PHRASES

H225 Highly flammable liquid and vapour

PROTECTION PHRASES

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P233 Keep container tightly closed

P240 Ground/bond container and receiving equipment

P243 Take precautionary measures against static discharge

P280 Wear protective gloves/protective clothing/eye protection/face protection

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P370+P378 In case of fire: Use water to extinguish

P403+P235 Store in a well-ventilated place. Keep cool

P501 Dispose of contents in accordance with local, state or national legislation

SAFETY PHRASES

S9 Keep container in a well-ventilated place

S36 Wear suitable protective clothing



- S16 Keep away from sources of ignition - No smoking
S33 Take precautionary measures against static discharges
S60 This material and its container must be disposed of as hazardous waste

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

67/548/EEC/1999/45/EC

Composition information – main constituents

Substance name	Ingredient	Typical conc. (%w/w)	EINECS No.	CAS-No.	Classification
Perfumers Alcohol	Ethanol	80-100%	200-578-6	64-17-5	F; R11
	Isopropyl Myristate	1-5%	203-751-4	110-27-0	
	Propylene Glycol	1-5%	200-338-0	57-55-6	

EC 1272/2008

Composition information – main constituents

Substance name	Ingredient	Typical conc. (%w/w)	EINECS No.	CAS-No.	Classification
Perfumers Alcohol	Ethanol	80-100%	200-578-6	64-17-5	H225
	Isopropyl Myristate	1-5%	203-751-4	110-27-0	
	Propylene Glycol	1-5%	200-338-0	57-55-6	

SECTION 4: FIRST AID MEASURES**4.1. DESCRIPTION OF FIRST AID MEASURES**

First-aid measures general: Consult a physician when you feel unwell. Show this safety data sheet to the doctor in attendance.



Inhalation:	Remove victim to fresh air immediately and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues.
Skin contact:	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. If skin irritation persists, call a physician.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Inhalation:	May cause difficulty breathing and shortness of breath.
Ingestion:	Harmful if swallowed. There may be irritation of the throat. May cause nausea, vomiting and diarrhoea.
Skin contact:	May cause skin irritation. There may be irritation at the site of contact.
Eye contact:	May cause eye irritation. There may be irritation and redness.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Adjust extinguishing media to the surrounding fire. Use alcohol resistant foam, dry powder, carbon dioxide (CO₂), sand or water spray.

Unsuitable extinguishing media: No available.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Highly flammable. Thermal decomposition can lead to release of irritating gases and vapours: carbon monoxide (CO), carbon dioxide (CO₂). Forms explosive air-vapour mixture. Vapours may travel considerable distance to source of ignition and flash back.



5.3. ADVICE FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective clothing. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear suitable protective equipment (splash goggles, protective suit, boots, gloves and self-contained breathing apparatus) to prevent any contamination of skin, eyes and personal clothing. Ensure adequate ventilation of the working area. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Remove ignition sources. Take precautionary measures against static discharges. No smoking. Avoid contact with skin and eyes. Avoid breathing vapours, mist or gas. Avoid formation of dust. Keep unprotected persons away. Evacuate personnel to a safe area.

For personal protection see section 8.1.

6.2. ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. Do not allow to enter sewers/ surface or ground water. Do not allow to enter into soil/subsoil. Prevent further leakage or spillage if safe to do so. Use appropriate container to avoid environmental contamination. Local authorities should be advised if significant spillages cannot be contained.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Do not use equipment in clean-up procedure which may produce sparks. Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Containers must not be punctured or destroyed by burning, even when empty.

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Handle in accordance with good industrial hygiene and safety practice. Avoid formation of dust and spilling. Do not inhale dust/smoke/mist. Ensure adequate ventilation of the working area. Wear personal protective equipment. Avoid contact with eyes and skin. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products. Remove contaminated clothing and shoes. Wash clothing before re-using. Avoid the formation or spread of mists in the air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No naked lights. No smoking. Use only non-sparking tools.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep in a cool, dry, well ventilated area. Keep in original tightly closed containers. Keep away from food, drink and animal feeding stuffs. Avoid heat, direct sunlight and other sources of ignition. Keep in fireproof place. Avoid extremely high or low temperatures and exposure to light and air. Take precautionary measures against static discharges. Keep away from incompatible materials such as strong bases and acids.

7.3. SPECIFIC END USE(S)

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS/EXPOSURE GUIDELINES

Occupational Exposure Limit Values (Perfumers Alcohol) GB:

CAS NO	Exposure limit	Value	Name of Agent
64-17-5 (Ethanol)	TWA – 8 Hrs	1920 mg/m ³	No data available
110-27-0 (Isopropyl Myristate)		No data available	No data available
57-55-6 (Propylene Glycol)		474 mg/m ³	No data available
64-17-5 (Ethanol)	STEL – 15 Min	No data available	No data available
110-27-0 (Isopropyl Myristate)		No data available	No data available
57-55-6 (Propylene Glycol)		No data available	No data available

Engineering controls:

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure lighting and electrical equipment are not a source of ignition. Wash hands before breaks and at the end of the working day.



EYE PROTECTION



FACE SHIELD



RESPIRATOR



PROTECTION WEAR



HAND PROTECTION

- Protective equipment:** Use protective chemical safety goggles (European standard - EN 166), face shield, gloves (European standard - EN 374), long sleeved clothing to prevent skin, body and eyes exposure.
- Respiratory equipment:** Respiratory protection not required in normal conditions, but when vapours or aerosols are generated must use appropriate certified respirators, which are NIOSH/MSHA or European Standard EN 149 approved respirator.
- Skin and body protection:** Wear appropriate protective gloves and clothing to prevent skin exposure. Wear impervious protective clothing (long sleeved clothing, chemical resistant apron, anti static boots). Wear appropriate protective work gloves when handling material to prevent skin contact. The glove material has to be impermeable and resistant to the product. Protective gloves should be replaced at first signs of wear. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Wash and dry hands.
- Eye/Face protection:** Approved chemical safety goggles or face protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Clear. Colourless
Odour:	Spiritous
Initial boiling point (°C):	79 °C
Melting point (°C):	No data available
Freezing point:	No data available
Relative density (g/ml):	0.79
Specific gravity / density:	Not available
Vapour density:	Not available
Vapour pressure:	Not available
Flash point (°C):	Not available



Flash point range:	15 °C
Molecular mass:	Not applicable
Auto-ignition temperature:	Not applicable
Oxidizing properties:	Not available
Decomposition temperature:	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

Perfumers Alcohol is stable under normal conditions of use, storage and transport.

10.2. CHEMICAL STABILITY

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

When heated can decompose. May liberate toxic gases.

10.4. CONDITIONS TO AVOID

Keep away from food, drink and animal feeding stuffs. Avoid heat, direct sunlight and other sources of ignition. Keep in fireproof place. Avoid extremely high or low temperatures and exposure to light and air. Take precautionary measures against static discharges.

10.5. INCOMPATIBLE MATERIALS

May liberate toxic gases. Keep away from incompatible materials such as strong bases and acids.

10.6. HAZARDOUS DECOMPOSITION

Highly flammable. Thermal decomposition can lead to release of irritating gases and vapours: carbon monoxide (CO), carbon dioxide (CO₂). Forms explosive air-vapour mixture. Vapours may travel considerable distance to source of ignition and flash back.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

TOXIC DOSE

Ethanol (64-17-5): LD50 Oral – Rat – 6200 mg/kg

Propylene Glycol (57-55-6): LD50 Oral – Rat – 20000 mg/kg



Inhalation:	May cause difficulty breathing and shortness of breath.
Ingestion:	Harmful if swallowed. There may be irritation of the throat. May cause nausea, vomiting and diarrhoea.
Skin contact:	May cause skin irritation. There may be irritation at the site of contact.
Eye contact:	May cause eye irritation. There may be irritation and redness.

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

Aquatic Toxicity:

Ethanol (64-17-5):

Toxicity to freshwater fish: LC50: 8150 mg/l, 96h (Leuciscus idus (Golden orfe))

Propylene Glycol (57-55-6):

Toxicity to freshwater fish: LC50: > 40000 mg/l, 96h (Onchorhynchus mykiss (Rainbow trout))

Toxicity to water flea: EC50: > 4850 mg/l, 48h (Daphnia magna)

12.2. PERSISTENCE AND DEGRADABILITY

Biodegradable.

12.3. BIOACCUMULATIVE POTENTIAL

No bioaccumulation potential.

12.4. MOBILITY

No data available.

12.5. RESULTS OF PBT AND vPvB ASSESSMENT

This substance is not a PBT or vPvB.

12.6. OTHER ADVERSE EFFECTS

Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations: Disposal of Perfumers Alcohol should be in accordance with local and national legislation. Processing, use or contamination of this product may change the waste management options. Should not be released into the environment. Do not discharge into waterways or sewer systems. Mixing with other materials or other alterations to pure product may significantly



change the characteristics of the material. Empty packaging can have residues and are subject to proper waste disposal. Do not re-use empty containers. Keep product and empty container away from heat and sources of ignition. This material and its container must be disposed of as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Uncleaned packaging: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

IMDG

UN number	1266
UN proper shipping name	Perfumery products with flammable solvents
Transport hazard class(es)	3
Packing group	III

ADR/RID

UN number	1266
UN proper shipping name	Perfumery products with flammable solvents
Transport hazard class(es)	3
Packing group	III

IATA

UN number	1266
UN proper shipping name	Perfumery products with flammable solvents
Transport hazard class(es)	3
Packing group	III



SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.



15.2 CHEMICAL SAFETY ASSESSMENT

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

General information

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instruction. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

Revision Comments

This information is provided in a revised format to that previously produced.

Revision Date: 01/10/2018

Revision: 01

Safety Data Sheet Status Approved.

Date printed 01/10/2018

Signature Initials P.K.

DISCLAIMER:

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

NOTE:

The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act,1974;the control of Substances Hazardous to Health Regulations,1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.