

[In accordance with the criteria of Regulation No 1907/2006 (REACH) and 453/2010]

Section 1: Identification of the substance/mixture and of the company

1.1. Product identifier.

Acetyl Pyrazine AP-50

Diluted Acetyl Pyrazine with Propylene Glycol (50 mg/ml)

1.2. Significant identified application of substances or mixture and dissuaded application.

Relevant identified uses: production of mixtures (liquid component, e-liquids for electronic cigarettes).

Uses advised against: not determined

1.3. Data of the supplier of the safety data sheet.

Supplier: CHEMNOVATIC ŁAWECKI GĘCA SPÓŁKA JAWNA

Address: The Building of Lublin Science and Technology Park
ul. Dobrzańskiego 3, lok. BS002, 20-262 Lublin, Poland

Phone / fax: +48 814785015 / +48 814785015

E-mail address of the person responsible for the information card: info@chemnovatic.com

1.4. Numer telefonu alarmowego.

112 (general emergency phone number)

Section 2: Hazards Identification

2.1. Classification of the substance or mixture.

Classification according to 1272/2008/EC

The product is not classified as a hazard to human health and the environment

2.2. Label elements

Hazard symbols and signal words

Not applicable.

Hazard statements

Not applicable.

Precautionary statements

P110 If medical advice is needed, have product container or label at hand.

2.3. Other hazards

No information whether the mixture meets criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

Section 3: Composition/Information on ingredients

3.1 Substances

Not applicable

3.2 Mixture

Composition:



SAFETY DATA SHEET

Identification	(EC) 1272/2008	Note	%
CAS: 57-55-6 EC: 200-338-0 PROPYLENE GLYCOL		[1]	50 <= x % < 100
Pyrazin-1-ylethan-1-one CAS-No. 22047-25-2 EC-No. 244-753-5	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335		2.5 <= x % < 5

Information ingredients:

[1] Substance for which maximum workplace exposure limits are available

Section 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

4.2. Most important acute and delayed symptoms and effects of exposure.

No data available.

4.3. Indications concerning any immediate medical aid and special handling of the casualty.

No data available.

Section 5: Firefighting measures

Non-flammable.

5.1. Extinguishing media.

Suitable methods of extinction

In the event of a fire, use:

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use:

- water jet

5.2. Specific hazards associated with substance or mixture.

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

SAFETY DATA SHEET

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Information for the fire brigade.

No data available.

Section 6: Procedure in the case of unintended release to the environment

6.1. Personal precautions, protective equipment and emergency procedures.

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8)

6.2. Safety precautions with regard to environmental protection.

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

Prevent any material from entering drains or waterways.

6.3. Methods and materials preventing the spread of contamination and used for removal of contamination.

Clean preferably with a detergent, do not use solvents.

6.4. References to other sections.

No data available.

Section 7: Handling of substances and mixtures and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling.

Always wash hands after handling.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

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

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions of safe storage, together with the information related to any mutual inconsistencies.

No data available.

Storage

Keep the container tightly closed in a dry, well-ventilated place.

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.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific final application.

No data available.

Section 8: Exposure control/personal protection equipment

8.1. Parameters concerning control.

No data available.

- UK / WEL (Workplace exposure limits, EH40/2005, 2007):

Specification	TWA	STEL	Ceiling	Definition	Criteria
CAS 57-55-6	150 ppm	-	-	-	-

8.2. Exposure controls.

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended:

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties.

General information:

Physical state:

viscous liquid

Important health, safety and environmental information

SAFETY DATA SHEET

Appearance:	colourless liquid
Smell:	odourless
Smell threshold:	not applicable
pH:	6-8 (50% solution)
Melting/freezing point, [°C]:	<-20
Initial boiling point and range of boiling points, [°C]:	184-188
Flash point, [°C]:	104
Evaporation rate:	0,01
Flammability (of solid body, gas):	not applicable
Upper explosiveness limit, [% V/V]:	17,4
Lower explosiveness limit, [% V/V]:	2,4
Vapour Pressure at 20 °C [hPa]:	20
Relative density relative to air:	2,62
Density, [g/cm ³] at temp.25 °C:	1,035 - 1,040
Solubility in water:	total
Solubility in other solvents:	soluble in ethanol, acetone, chloroform
N-octanol/water breakdown factor:	-1,07
Autoignition temperature, [°C]:	>400
Temperature of decomposition, [°C]:	no data available
Viscosity [mPa s] at temp.20 °C:	43,4
Explosive properties:	it is not an explosive substance
Oxidising properties:	no data available
Coefficient of light refraction:	no data available

9.2. Other information.

No additional test results.

Section 10: Stability and reactivity

10.1. Reactivity.

No data available.

10.2. Chemical stability.

This 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 and nitrogen oxide.

10.4. Circumstances to be avoided.

No data available.

10.5. Incompatible materials.

No data available.

10.6. Hazardous decomposition products.

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO₂)



SAFETY DATA SHEET

Section 11: Toxicological information

11.1 Information on toxicological effects.

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Acute toxicity:

no data available

Inhalation: no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

11.1.2. Mixture

No toxicological data available for the mixture.

Section 12: Ecological Information

12.1. Toxicity.

12.1.2 Mixtures

No aquatic toxicity data available for the mixture

12.2. Persistence and degradability.

No data available

12.3. Ability to bioaccumulate.

No data available

12.4. Mobility in the soil.

No data available.

12.5. Results of assessment of properties PBT and vPvB.

No data available.

12.6. Other harmful effects of the action.

No data available.

Section 13: Manner of waste disposal

Proper waste management of the mixture and/or its 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 container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Section 14: Transport Information

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

Section 15: Regulatory Information.

15.1. Legal regulations related to safety, health and environmental protection principles specific for the substance and mixture.

Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 618/2012
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.

Container information:

No data available.

Particular provisions:

No data available.

15.2. Assessment of chemical safety.

No data available.

Section 16: Other Information.

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

WGK: Wassergefährdungsklasse (Water Hazard Class)

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

Other data

Classification was made on the basis of data on hazardous substances calculation method based on the guidelines of the Minister of Health of 10 August 2012 on the criteria and classification of chemical substances and mixtures (OJ 2012.1018) and Regulation 1272/2008/EC (CLP).

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The above information is prepared on the basis of current state of knowledge and relates to the product in the form in which it is used. Data relating to the product are presented in order to include safety requirements, and not to guarantee their particular properties.

In the event when conditions of application of the product are beyond control of the manufacturer, responsibility for safe use of the product is borne by the user.