MATERIAL SAFETY DATA SHEET
2-IN-1 CLEANSER

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

Product name: BO. 2-in-1 Cleanser
Item number: art. 1112031003, 1112031004
Use of substance / mixture: The liquid for degreasing nail plate before styling. The liquid which removes sticky layer after nail styling.PC39: Cosmetics, personal care products.

Details of the supplier of the safety data sheet:
Company name: WWBDGroup
De Run 4221
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Tel : +31 (0) 40 -2307559
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National Poison Centre Netherlands tel: +31 (0)30 - 2748888
'**Only for the purpose of informing medical personnel in cases of acute intoxications'**.

SECTION 2. HAZARDS IDENTIFICATION.

2.1. Classification of the substance / mixture

The mixture/substance meets the criteria for classification according to Regulation 1272/2008/EC (CLP):
Classification under CLP:

H225	Flam. Liq. 2	Highly flammable liquid and vapour.
H319	Eye Irrit. 2	Causes serious eye irritation.
H336	STOT SE 3	May cause drowsiness or dizziness

Most important adverse effects: Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

2.2 Label elements

Hazard statements:
H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness

Hazard Pictograms

GHS02: Flame
GHS07: Exclamation mark
Signal word Danger

Precautionary statements:
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P241 Use explosion-proof electrical/ventilating/lighting/ equipment.
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P235 Store in a well-ventilated place. Keep cool.

2.3 Other hazards
Substances in product do not meet criteria for PBT or vPvB in accordance with Annex XIII of Regulation REACH
Substances in product do not have endocrine disrupting properties.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
Chemical identity: PROPAN-2-OL
CAS number: 67-63-0
EINECS number: 200-661-7
REACH registration no; 01-2119457558-25-XXXX
CLP Classification: Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336
Percent: 75-100

4. First aid measures

4.1. Description of first aid measures
Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

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.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

5. Fire fighting measures

5.1 Fire extinguishing means:

Suitable extinguishing media: Carbon dioxide, dry extinguishing powders, extinguishing foam, water spray.
Unsuitable extinguishing media: Do not use water in a full stream..

5.2 Particular hazards related to the substance or mixture:

Highly flammable liquid and vapour. May form flammable/explosive vapour/air mixtures. Vapors are heavier than air and accumulate at the surface. Do not stay in the fire-endangered area without chemical-resistant clothing and a self-contained breathing apparatus. Tanks and other packages may explode when exposed to fire or high temperatures

5.3 Information for firemen:

Remove all sources of ignition. Use only non-sparking tools. Do not intervene without suitable protective equipment. Use self-contained breathing apparatus. Use complete protective clothing. Be careful extinguishing chemical products. Aviod contamination of the environment with water used to extinguish the fire. Fight fire from a sufficient distance and in a safe location.

6. Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Ventilate spill area and provide adequate ventilation. Use protective clothing. Use protective glasses. Evacuate people from danger zone. Avoid contact with skin and eyes. Avoid breathing vapours.
For emergency responders; Ventilate spill area. Use protective clothing. Use protective glasses. Avoid contact with skin and eyes. Avoid breathing vapours. In case of insufficient ventilation, wear self contained breathing apparatus.

6.2 Environmental precautions

Environmental precautions: Storage in a good ventilated places. Secure against spreading in the natural environment. Avoid discharge to the environment – surface water, groundwater and sewage system. Leaking containers store in good ventilated places. Secure inlets sewers using sand, earth or other appropriate barriers.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Collect any spilled fluid with an absorbent material, for example clay or diatomaceous earth. Dispose of absorbent materials and residues in an authorized facility in accordance with national regulations. Clean contaminated area. Use clean, non-sparking tools to scoop up absorbed material. Clean clothes, tools and equipment after work.
For small spills, absorb or contain the liquid with sand, earth, or containment material. Collect with a shovel and place in a labeled container for further safe disposal.
Wash the contaminated area with plenty of water. Retain the washings as contaminated waste. In case of large spills, transfer to a labeled container for product recovery or disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Waste disposal – Section 13.

7. Substance/mixture handling and storage

7.1 Precautions for safe handling

Do not eat, drink or smoke during using the product. Avoid contact with eyes and skin. Avoid any leakage. Provide good ventilation exhaust ventilation. Provide eye showers and washes. Keep the unused container closed.
Use appropriate personal protection equipment. Warn employees about the dangers of handling the product. Wash hands during breaks and at the end of work. Take off contaminated clothing and wash it before putting it on again.

7.2 Storage of the product

Store in temperature 5ºC - 30ºC. Store in dry and well-ventilated rooms. Away from heat, sparks and open flames. Use mechanical ventilation. Store in tightly closed containers. Protect against frost, heat and sunlight. Store away from combustible and oxidizing materials.

7.3 Specific end use(s)

Apart from the uses mentioned in subsection 1.2 no other specific uses are stipulated.

8. Exposure control and personal protection

8.1. Control parameters

Hazardous ingredients: PROPAN-2-OL	**cas; 67-63-0**	**OSHA PEL PPM 400**	**Mg/M3 980**
DNEL/DMEL (employess)			
Long-term - systematic exposure, skin contact		888 mg/kg	
Long-term - systematic exposure, inhalation		500 mg/m3	
DNEL/DMEL (consuments)			
Long-term - systematic exposure, skin contact		319 mg/kg	
Long-term - systematic exposure, inhalation		89 mg/m3	
Long-term - systematic exposure, ingestion		26 mg/kg	
PNEC			
Aqua (fresh water)		140,9 mg/L	
Aqua (sea water)		140,9 mg/L	
Sediment (freshwater sediment)		552 mg/kg	
Sediment (seawater sediment)		552 mg/kg	
Soil		28 mg/L	
Sewege treatment plant		2251 mg/L	
Occasional		140,9 mg/L	
ingestion		160mg/kg	

LEGAL BASIS: COMISSION DIRECTIVES 2000/39/EC, 2006/15/EC, 2009/161/EC, 2017/164/EC, 2019/1931/EC

8.2. Exposure controls

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

General protective and health measures:

Take off immediately all contaminated clothing.
Avoid contact with eyes.
Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.

Respiratory Protection:
Self-contained breathing apparatus must be available in case of emergency.
Hand protection:
Selection of the glove material on consideration of the penetration times, the rates of diffusion and the degradation.
Glove material
Nitrile rubber
Fluoro Rubber (Viton)
Gloves made of PVC
The choice of a suitable glove does not only depend on the material, but also on others
quality features and varies from manufacturer to manufacturer.
Hand protection: Protective gloves according to EN 374.
Glove material: Butyl rubber (butyl rubber) - Layer thickness >=0.5mm.
Breakthrough time: >480 min.
Observe the glove manufacturer's instructions regarding permeability and
breakthrough time.
Penetration time of the glove material
You can find out the exact penetration time from the glove manufacturer; keep in mind.
· Eye protection:

Tight fitting safety glasses

Body protection: Solvent resistant protective clothing

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colour depend on type
Odour	Smell of alcohol
Melting point/freezing point	Isopropyl alcohol – CAS 67-63-0: -90 ºC
Boiling point Or initial boiling point and boiling range	Isopropyl alcohol – CAS 67-63-0: 82 ºC
Flammbility	No data available
Lower and Upper explosion limits	Isopropyl alcohol – CAS 67-63-0
Flash point	Isopropyl alcohol – CAS 67-63-0: 12 ºC
Auto-ignition temperature	Isopropyl alcohol – CAS 67-63-0: 399 ºC
Decomposition temperature	No data available
pH	Isopropyl alcohol – CAS 67-63-0: 7
Kinematic viscosity	n/a
Solibility	Isopropyl alcohol – CAS 67-63-0: Totally soluble in water (20°C).
Solubility in other solvents: soluble in most organic solvents	
Partition coefficient n-octanol/water (lod value)	Isopropyl alcohol – CAS 67-63-0: 0,05 (25ºC)
Vapour pressure	Isopropyl alcohol – CAS 67-63-0: 50 ºC – 26kPa
Density and/Or relative density	Isopropyl alcohol – CAS 67-63-0: 787 kg/m³
Relative vapour density	Isopropyl alcohol – CAS 67-63-0: 2,07 relative to air

Particle characteristics (Only apply to solids) No data available

10. Stability and reactivity

10.1 Reactivity:
Stable under recommended transport or storage conditions

10.2 Chemical stability
Stable under normal conditions. Stable at room temperature

10.3 Possibility of hazardous reactions
Vapors may form explosive mixtures with air.

10.4. Conditions to avoid
During storage, avoid temperatures outside the range given in section 7. Avoid flames, heat, sparks and ignition sources. Avoid exposure to high temperatures or sunlight.

10.5. Incompatible materials
Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products
Carbon dioxide, carbon oxide and other organic compounds.

11. Toxicological information

Acute toxicity of mixture: Based on the available data, the classification criteria are not met.

Acute toxicity of components:
Isopropyl alkohol – CAS 67-63-0

Ingestion LD_{50}	5280 mg/kg (rat)
Skin contact LD_{50}	12800 mg/kg (Rat)
Inhalation LD_{50}	72,6 mg/l (4h) (Rat)

Skin corrosion/irritation:
Based on the available data, the classification criteria are not met.
Serious eye damage/irritation:
Causes eye irritation.
Respiratory or skin sensitisation:
Based on the available data, the classification criteria are not met.
Germ cell mutagenicity:
Based on the available data, the classification criteria are not met.
Carcinogenicity:
Based on the available data, the classification criteria are not met.
Reproductive toxicity:
Based on the available data, the classification criteria are not met.
STOT-single exposure:
May cause drowssiness or dizziness.
STOT-repeated exposure:
Based on the available data, the classification criteria are not met
Aspiration hazard:
Based on the available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

Substances in product do not have endocrine disrupting properties.

Other information

No additional information available.

12. Ecological information

12.1. Toxicity.

Isopropyl alkohol – CAS 67-63-0

Fishes: LC_{50}	9640 mg/l (96h) (Pimephales promelas)
Aquatic invertebrates: EC_{50}	13299 mg/l (48h) (Daphnia magna)
Water plants: EC_{50}	1000 mg/l (72h) (Scenedesmus subsicatus)

12.2. Persistence and degradability Biodegradable. 86 % (14 days); concentration 100mg/L

12.3. Bioaccumulative potential No bioaccumulation potential.

BCF	3
Log Pow	0,05
Potential	low

12.4. Mobility in soil Readily absorbed into soil

Surface tension	2,24E-2 N/m (25 ºC)
Koc	1,5
Adsorption/desorption	Very high

12.5. Results of PBT and vPvB assessment According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent / bioaccumulative / toxic) and vPvB (very persistent / very bioaccumulative).

12.6. Other adverse effects No data available.

13. Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialized disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

14. Transport information

14.1. UN number
UN number: UN1219

14.2. UN proper shipping name
Shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es)
ADR - Transport class: 3 (F1) Flammable liquids
IMDG, IATA - Transport class: 3 Flammable liquids

14.4. Packing group
Packing groupADR, IMDG, IATA: II

14.5. Environmental hazards
Environmentally hazardous: No
Marine pollutant: No
Tunnel code: D/E
Transport category: 2

14.6. Special precautions for user
Special precautions: No special precautions.

15 Information on legal regulations

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

1. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
2. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
3. Commission regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
4. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
5. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
6. Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
7. Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
8. Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
9. European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)

10. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
11. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste
12. Commission regulation (EC) No 552/2009 of 22 June 2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XVII
13. Regulation (eu) 2016/425 of the european parliament and of the council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

15.2. Chemical Safety Assessment

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) it is not necessary to carry out a chemical safety assessment for the mixture.

SECTION 16. OTHER INFORMATION

Full text of H-phrases mentioned in section 3:

H319	Causes serious eye irritation.
H225	High flammable liquid and vapours.
H226	Flammable liquid and vapours.
H336	May cause drowsiness or dizziness

Clarifications of aberrations and acronyms:

Flam Liq. 2	High flammable liquid and vapours, category 2.
Flam Liq. 3	Flammable liquid and vapours, category 3.
Eye Irrit. 2	Eye irritation, category 2.
STOT SE 3	Specific target organ toxicity – single exposure, category 3, respiratory tract irritation.
CLP	Classification, Labelling and Packaging
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
CAS No	Chemical Abstracts Service number
EC Number	European Chemical number: EINECS, ELINCS or NLP
EINECS	European Inventory of Existing Chemical Substances
ELINCS	European List of Notified Chemical Substances
NLP	„No–longer polymers”
PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
ADR	The European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
OSHA	European Agency for Safety and Health at Work, EU-OSHA
PEL	Permissible exposure limit

Literature references and data sources:

SDS from the different suppliers of the components.

Procedure used to derive classification according to Regulation (EC) No. 1272/2008:

Calculation method.

Revision:

Section 1–16: general revision of SDS, according to COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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

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- Ask for these same Customers to inform in turn their own Employees and Customers.