

SAFETY DATA SHEET

91/155/CEE - ISO 11014-1

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

Preparation:

Name: SP101

Product code: 0601046222

Company/Business:

Company Name: BOWL PLUS

Address: 38 – 40 Rue Lepêcheur – 69120 Vaulx en Velin - France

Telephone: 04 78 82 09 76 Fax: 04 78 80 80 78

Emergency telephone number: 01 45 42 59 59

Company/Organization: ORFILA

Normal Use:

Degreaser suitable for cleaning balls used in Sport Bowling.

2- COMPOSITION/INFORMATION ON INGREDIENTS

Representative Dangerous Substances:

(present in the preparation at a concentration sufficient to impose on it the toxicological characteristics that it would have in its pure state at 100%).

This preparation does not contain any dangerous substances of this category.

Other dangerous substances:603-001-00-X CAS 67-56-1 EEC 200-659-G METHYL ALCOHOL / Concentration $\geq 2,5\%$ and $< 10\%$

Symbol: TFR: 11-23/24/25-39/23/24/25

603-004-00-6 CAS 71-36-3 EEC 200-751-6 BUTANE-1-OL / Concentration $\geq 2,5\%$ and $< 10\%$

Symbol: Xn R: 10-37/38-41-67-22

603-117-00-0 CAS 67-63-0 EEC 200-661-7 PROPANE-2-OL / Concentration $\geq 10\%$ and $< 25\%$

Symbol: Xi F R: 11-36-67

Substances present at a concentration below the minimum danger threshold:

No known substances of this category are present.

Other substances with occupational exposure limit values:603-002-00-5 CAS 64-17-5 EEC 200-578-6 ETHYL ALCOHOL / Concentration $\geq 50\%$ and $< 100\%$

Symbol: FR

3- HAZARD IDENTIFICATION

This product is classified. Easily flammable liquid.

Risk of irreversible effects by inhalation, contact with skin and ingestion.

Risk of irritating effects on the eyes.

Risk of harmful effects with symptoms of mild poisoning by inhalation, skin contact and ingestion.

4- FIRST AID

Generally speaking, if in doubt or if symptoms persist, always seek medical attention.

NEVER give anything to an unconscious person.

In case of exposure by inhalation:

In the event of massive inhalation, remove the patient to fresh air and keep him warm and at rest.

If breathing is irregular or stopped, administer artificial respiration and seek medical attention.

Do not give anything by mouth.

In case of splashing or contact with eyes:

Wash with plenty of clean, fresh water for 15 minutes, holding the eyelids apart.

Refer the subject to an ophthalmologist, particularly if redness, pain or visual discomfort appears.

Whatever the initial condition, systematically refer the subject to an ophthalmologist, showing him the label.

In case of splashes or contact with skin:

Remove impregnated clothing and wash skin thoroughly with soap and water or use a known cleanser.

DO NOT use solvents or thinners.

When the contaminated area is large and/or if skin lesions appear, it is necessary to consult a doctor or be transferred to a hospital.

If swallowed:

If ingested, if the quantity is small (no more than one sip), rinse the mouth with water, administer activated medical charcoal and consult a doctor.

Keep at rest. DO NOT induce vomiting.

Consult a doctor, showing the label.

Seek medical attention immediately and show the label to the physician.

5- FIRE-FIGHTING MEASURES

Dry chemicals, carbon dioxide and other extinguishing gases are suitable for small fires.

In the event of a fire, the recommended extinguishing agents are:

Special foams for polar liquids (known as alcohol resistant), powders, carbon dioxide.

In the event of a fire, use specifically suitable extinguishing media. Never use water.

Extinguishing media not to be used:

In general, water is not recommended as it may be ineffective; However, it can be used profitably to cool containers exposed to fire and disperse vapors.

A fire will often produce thick black smoke. Exposure to decomposition products may pose health risks.

Do not breathe fumes.

Prevent firefighting effluent from entering sewers or watercourses.

Special equipment for responders:

Responders will be equipped with self-contained insulating respiratory protection devices.

Due to the toxicity of the gases emitted during the thermal decomposition of the products, responders will be equipped with self-contained insulating respiratory protection devices.

6- MEASURES TO TAKE IN CASE OF ACCIDENTAL RELEASE

Personal precautions:

Eliminate any possible source of ignition and ventilate the premises.

Because of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.

Avoid inhaling vapors.

Avoid contact with skin and eyes.

Refer to the protective measures listed in sections 7 and 8.

Precautions for environmental protection:

Contain and collect leaks with non-combustible absorbent materials, for example: sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any entry into sewers or watercourses.

Place drums for the disposal of recovered waste in accordance with current regulations (see section 13).

If the product contaminates water bodies, rivers or sewers, alert the competent authorities according to regulatory procedures.

Cleaning methods:

Clean preferably with detergent, avoid the use of solvents.

7- HANDLING AND STORAGE

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

Handling:

Handle in well-ventilated areas.

Vapors are heavier than air. They can spread along the ground and form explosive mixtures with air.

Prevent the creation of flammable or explosive concentrations in the air and avoid vapor concentrations above occupational exposure limit values.

Fire prevention:

Avoid the accumulation of electrostatic charges with earth connections.

The preparation can become electrostatically charged: always ground it when transferring. Wear anti-static shoes and clothing and make floors made of conductive material.

Use the product in areas free from any open flame or other sources of ignition, and have protected electrical equipment.

Keep packages securely closed and away from sources of heat, sparks and open flames.

Do not use tools that could cause sparks. NO SMOKING.

Prohibit access to unauthorized persons.

Recommended equipment and procedures:

For individual protection, see § 8.

Observe the precautions indicated on the label as well as labor protection regulations.

Avoid inhaling solvent vapors and spray aerosols.

Opened packaging must be carefully closed and stored in an upright position.

Avoid inhaling vapors.

When personnel must operate in a cabin, whether to spray or not, ventilation may be insufficient to control solvent particles and vapors in all cases.

It is then recommended that personnel wear masks with compressed air during spraying operations, until the concentration of particles and solvent vapors has fallen below the exposure limits.

Avoid contact of the product with the skin and eyes.

Prohibited equipment and procedures:

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

Never open packages by pressure.

Storage:

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

Keep away from food and drinks, including those for animals.

Keep away from sources of ignition – do not smoke.

Keep away from all sources of ignition, heat, and direct sunlight.

The floor of the premises will be impermeable and will form a retention basin so that in the event of an accidental spill, the liquid cannot spread outside.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures:

Ensure adequate ventilation, if possible, by extraction at workstations and by suitable general extraction.

If this ventilation is insufficient to keep solvent vapor concentrations below the exposure limit values, wear respiratory equipment.

Exposure limit values according to INRS ND 2098-174-99 and ND 2114-176-99:

France VME-ppm: VME-mg/m³: VLE-ppm: VLE-mg/m³: Notes: TMP N°

67-56-1 200 260 1000 1300 - 84

64-17-5 1000 1900 5000 9500 - 84

71-36-3 -- 50 150 - 84

67-63-0 0 0 400 980 0 84

Germany Category: MAK-ppm: MAK-mg/m³: Notes: Notes:

67-56-1 II,1 200 270 C,*

64-17-5 II,1 500 960 5,C

71-36-3 II,1 100 310 D

67-63-0 II,1 200 500 C

AGGIH(TLV) TWA-ppm TWA-mg/m³: STEL-mg/m³: Notes: Notes:

67-56-1 200 262 250 328 * S

64-17-5 1000 1880 -- A4 -

71-36-3 (50) (152) -- (*) P

67-63-0 (400) (983) (500) (1230) - S

Exposure limit values according to 2000/39/CE and 98/24/CE:

VME-ppm VME-mg/m³ TLV-ppm VLE-mg/m³ Notes

Respiratory protective equipment:

With this preparation, avoid any inhalation of vapors.

Hand protection:

Protective creams may be used on exposed areas of the skin, however they should not be applied after contact with the product.

Due to the solvents present, the recommended type of gloves is neoprene rubber or nitrile rubber.

Eye and face protection:

Avoid contact with eyes.

Wear goggles.

Provide eye fountains in workshops where the product is handled constantly.

Skin protection:

For further details see §11 of the SDS – Toxicological information.

9- PHYSICAL AND CHEMICAL PROPERTIES

Volumetric mass: < 1

Acid-Base Character of the preparation: not concerned.

Solubility of the preparation in water: Insoluble.

Vapor pressure at 50°C. des volatile components: less than 110 kPa (1.10 bar).

Physical state: Liquid Fluid.

PE interval: Flash point <= 21°C.

Ph measurement is impossible or its value is: not concerned.

Autoignition temperature: not specified.

Decomposition temperature: not specified.

Melting Temperature Range: Not applicable.

Average distillation temperature of the solvents contained: not specified.

10- STABILITY AND REACTIVITY

Exposed to high temperatures, the preparation may release dangerous decomposition products, such as carbon monoxide and dioxide, fumes, nitrogen oxides.

Any device likely to produce a flame or bring a metal surface to high temperature (burner, electric arcs, ovens, etc.) will be banned from the premises.

11- TOXICOLOGICAL INFORMATION

No data on the preparation itself is available.

Splashes in the eyes may cause irritation and reversible damage.

Substances contained conventionally cause dangers of non-lethal irreversible harmful effects through inhalation, skin contact and ingestion after a single exposure.

The substances contained conventionally predict, if applied to the animal's eye, significant lesions which appear and persist for at least twenty-four hours.

12- ECOLOGICAL INFORMATION

No ecological data on the preparation itself is available.

Any flow of the product into sewers or watercourses must be avoided.

13- DISPOSAL CONSIDERATIONS

Do not pour into sewers or watercourses.

Waste:

Recycle or dispose of in accordance with current legislation, preferably by a collector or approved company. Do not contaminate soil or water with waste, do not dispose of it into the environment.

Soiled packaging:

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

Return to an approved disposal company.

Local provisions:

The regulations relating to waste are codified in the ENVIRONMENTAL CODE, according to ordinance n°2000-914 of 18 September 2000 relating to the legislative part of the environmental code.

The different texts of Article L.541-50 can be found in Book V (Prevention of pollution, risks and nuisances), Title IV (Waste), Chapter I 5 Elimination of waste and recovery of materials).

Waste codes (Decision 2000/532/ce, Directive 75/772/CEE, Directive 91/689/CEE on hazardous waste):

0801 11 – waste paints and varnishes containing organic solvents or other dangerous substances.

14- TRANSPORT INFORMATION

Transport the product in accordance with the provisions of ADR for road, RID for rail, IMDG for sea, and ICAO/IATA for transport by air.

UN1263=paints (including paints, lacquers, enamels, colors, shellac, varnishes, polishes, primers and liquid bases for plates) or MATERIALS RELATED TO PAINTS (including solvents and thinners for paints)

ADR/RID Class Code Group Label Ident. QL Available

3 F1 II 3 53 LQ6 163-640

IMDG Class 2°Etiqu Group QL IdentFs Available

3 - II 1L 3-05 163 944

IATA Class 2°Etiqu Group Passenger Passenger Cargo Cargo note 3 - II 305 5L 307 A72 A72

3 - II Y305 1L - - -

15- REGULATORY INFORMATION

The classification of this preparation was carried out in accordance with the directive known as <All preparations 1999/45/ce and its adaptations.

The 2001/59/ce directive carrying 28 th adaptation to the 67/548/CE directive (Dangerous substances) was also taken into account.

Classification of the preparation:

 Harmful	 Highly flammable
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Contains:

603-001-00-x METHYL ALCOHOL

Special risks attributed to the preparation and precautionary advice:

R36 Irritating to eyes

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R11 Highly flammable.

R68/20/21/22 Harmful, possible irreversible effects through inhalation, skin contact and ingestion.

S23 Do not breathe vapors or aerosols

S36/37 Wear suitable protective clothing and gloves.

S16 Keep away from any flame or source of sparks - Do not smoke.

S26 In case of contact with eyes, wash immediately with plenty of water and consult a specialist.

S60 Dispose of the product and/or its container as hazardous waste.

S7/9 Keep container tightly closed in a well-ventilated area.

Special provisions:

Nomenclature of classified installations. (France) (For Quantity read Total quantity present in the installation)

Flammable liquid (Installation of simple cold mixing or use of): N°1433:-en (Quantity >50t) => Regime A and Display radius of 2 km ____ in (Quantity >5t) but (Quantity <50t) Regime D.

Flammable liquid (Other mixing or use installations): N°1433 – in (Quantity >10t) => Regime A and Display radius of 2 km ____ in (Quantity >1t) but (Quantity <10t) Regime D.

Methanol, flammable liquid (Storage in manufactured tanks of): N°1432 – in (Quantity >5000t) Regime A,S and Display radius of 4 km.

Flammable and easily flammable liquid (Storage in manufactured tanks of): N°1432 – in (Quantity >10000t) Regime A,S and Display radius of 4 km.

Flammable liquid (Storage in manufactured tanks of): N°1432 – in (Quantity >100m3) Regime A and Display radius of 2 km. in (Quantity >10m3) but (Quantity <=100m3) Regime D.

Flammable liquid (Industrial manufacture of, including treatment of petroleum and its derivatives, desulphurization) => Regime A and Display radius of 3 km

Tables of occupational diseases provided for in article R, 461-3 of the Labor Code:

Table N°84 – Conditions caused by liquid organic solvents for professional use.

Special medical surveillance according to order of July 11 1977 for spray paint and varnish applications.

16- OTHER INFORMATION

As the user's working conditions are not known to us, the information given in this safety sheet is based on the state of our knowledge and on both national and community regulations.

The product should not be used for purposes other than those specified in section 1 without first obtaining written handling instructions.

It is always the user's responsibility to take all necessary measures to meet the requirements of local laws and regulations.

The information given in this sheet must be considered as a description of the safety requirements relating to our product and not as a guarantee of its properties.

Wording of R phrases in paragraph 2:

R 10 Flammable.

R 11 Highly flammable.

R 22 Harmful if swallowed.

R 23/24/25 Toxic by inhalation, contact with skin.

R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R 41 Risk of serious eye damage.

R 67 Inhalation of vapors may cause drowsiness and dizziness.