SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

PRODUCT NAME: VIAL (Spirit Level)

APPLICATIONS: For Stock No. 68016 Box Spirit Level, 600mm
68017 Box Spirit Level, 900mm
68018 Box Spirit Level, 1200mm
68317 Box Spirit Level, 300mm
68736 Boat Spirit Level, 250mm
75042 Post Spirit Level
75102 Box Spirit Level with Handle, 600mm
75105 Box Spirit Level with Handle, 900mm
75106 Box Spirit Level with Handle, 1200mm
75107 Box Spirit Level with Handle, 1800mm
75111 Plastic Line Spirit Level, 78mm
75112 Mini Spirit Level, 100mm

SUPPLIER: **Draper Tools Ltd**
Hursley Road
Chandlers Ford
Eastleigh
Hampshire
SO53 1YF
www.drapertools.com

Emergency telephone number: Draper Helpline +44 (0) 2380 494344
Opening hours 8:30-17:00 Monday – Friday.

SECTION 2: Hazards identification

Hazard classification according to GHS

Flammable Liquids	Category 4
Aspiration Hazard	Category 1
Skin Corrosion/Irritation	Category 3

GHS Label elements

Hazard pictograms

Signal word **Danger**

Hazard statements

H227 Combustible liquid
H304 May be fatal if swallowed and enters airways
H316 Causes mild skin irritation

Precautionary statements

◆ **Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

◆ **Response**

P331 Do NOT induce vomiting.
P301+P316 IF SWALLOWED: Get emergency medical help immediately.
P332+P317 If skin irritation occurs: Get medical help.
P370+P378 In case of fire: Use appropriate extinguishing media mentioned in Section 5 of the SDS to extinguish.

◆ **Storage**

P403 Store in a well-ventilated place.
P405 Store locked up.

◆ **Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

Hazard description

◆ **Physical and chemical hazards** Combustible liquids in case of flame and high fever.

◆ **Health hazards**

Inhaled May be fatal if swallowed and enters airways during the course of normal handling.

Ingestion Accidental ingestion of the product may be harmful to the health of the individual.

Skin Contact The product can cause mild skin irritation following direct contact with the skin.

Eye This product may cause temporary discomfort following direct contact with the eye.

◆ **Environmental hazards**

Please refer to 12th chapter of SDS.

SECTION 3: Composition/information on ingredients

Substance/mixture Mixture

Component	CAS No.	EC No.	Concentration (wt, %)
Acrylic grain			
Poly(methyl methacrylate)	9011-14-7	232-674-9	100
Fischer-Tropsch alkane fraction			
C11-C13 Isoalkanes	-	-	100
Plug			
ABS Resins	9003-56-9	618-371-8	100

SECTION 4: First aid measures

Description of first aid measures

General advice

Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

Skin contact

Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if feel uncomfortable.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.

Inhalation

Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

Protecting of first-aiders

Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Indication of any immediate medical attention and special treatment needed

1 Treat symptomatically.

2 Symptoms may be delayed.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use extinguishing media suitable for surrounding area.

Unsuitable extinguishing media

There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

1 Development of hazardous combustion gases or vapor possible in the event of fire.

2 May expansion or decompose explosively when heated or involved in fire.

Special protective equipment and precautions for fire-fighters

1 As in any fire, wear self-contained breathing apparatus（MSHA/NIOSH approved or equivalent) and full protective gear.

2 Fight fire from a safe distance, with adequate cover.

3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

1 Use personal protective equipment, do not breathe gas/mist/vapour/spray.

2 Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

3 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

1 Prevent further leakage or spillage if safe to do so.

2 Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1 Cut off the source of the leak as much as possible.

2 Keep leaks in a ventilated place.

3 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.

4 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

5 Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

SECTION 7: Handling and storage

Precautions for safe handling

1 Handling is performed in a well-ventilated place.

2 Wear suitable protective equipment.

3 Avoid contact with skin and eyes.

4 Keep away from heat/sparks/open flames/ hot surfaces.

Conditions for safe storage, including any incompatibilities

1 Keep containers tightly closed.

2 Keep containers in a dry, cool and well-ventilated place.

3 Keep away from heat/sparks/open flames/hot surfaces.

4 Store away from incompatible materials and foodstuff containers.

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational Exposure limit values No relevant regulations

◆ **Biological limit values**

Biological limit values No relevant regulations

◆ **Monitoring methods**

1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

2 GBZ/T 300 series standard Determination of toxic substances in workplace air.

Engineering controls

1 Ensure adequate ventilation, especially in confined areas.

2 Ensure that eyewash stations and safety showers are close to the workstation location.

3 Use explosion-proof electrical/ventilating/lighting/equipment.

4 Set up emergency exit and necessary risk-elimination area.

Personal protection equipment

General requirement

Eye protection Must wear appropriate safety goggles.

Hand protection Must wear anti-static chemical protective gloves.
Respiratory protection Must wear appropriate personal respiratory protective equipment.
Skin and body protection Must wear anti-static chemical protective clothing and anti-static shoes.

SECTION 9: Physical and chemical properties and safety characteristics

Physical and chemical properties

Physical state	Solid
Colour	No information available
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	190~220（Fischer-Tropsch alkane fraction）
Flash point (Closed cup, °C)	76（Fischer-Tropsch alkane fraction）
Evaporation rate	Not applicable
Flammability	Combustible
Upper/lower explosive limits [%(v/v)]	Upper limit: 6.5 Lower limit: 0.6
Vapor pressure	0.6hPa（20℃, Fischer-Tropsch alkane fraction）
Relative vapour density (Air = 1)	Not applicable
Relative density (Water=1)	0.7440（Fischer-Tropsch alkane fraction）
Solubility	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature (°C)	＞230（Fischer-Tropsch alkane fraction）
Decomposition temperature (°C)	No information available
Kinematic viscosity	1.4 mm^2/s（40℃, Fischer-Tropsch alkane fraction）
Particle characteristics	No information available

SECTION 10: Stability and reactivity

Stability and reactivity
Reactivity
Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability
Stable under proper operation and storage conditions.
Possibility of hazardous reactions
No information available.
Conditions to avoid
Incompatible materials, heat, flame and spark.
Incompatible materials
No information available.
Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity
No information available
Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Poly(methyl methacrylate)	Category 3	Not Listed
C11-C13 Isoalkanes	Not Listed	Not Listed
ABS Resins	Not Listed	Not Listed

Others
VIAL

Skin corrosion/irritation	Causes mild skin irritation
Serious eye damage/irritation	Based on available data, the classification criteria are not met

Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	May be fatal if swallowed and enters airways
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

SECTION 12: Ecological information

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
Poly(methyl methacrylate)	LC_{50}: 43.382mg/L (96h)(Fish)	No information available	No information available
ABS Resins	LC_{50}: 11.5mg/L (96h)(Fish)	No information available	No information available

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available

Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Poly(methyl methacrylate)	Low(Half-life = 56 days)	Low(Half-life = 0.4 days)
ABS Resins	Low(Half-life = 46 days)	Low(Half-life = 7.88 days)

Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Poly(methyl methacrylate)	Low	Log Kow=1.2751
ABS Resins	Low	BCF=48

Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Poly(methyl methacrylate)	Low	10.14
ABS Resins	Low	8.3

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Insufficient information, temporarily unable to evaluate

SECTION 13: Disposal considerations

Disposal considerations

Waste chemicals

Before disposal should refer to the relevant national and local laws and regulation.

Recommend the use of incineration disposal.

Contaminated packaging

Containers may still present chemical hazard when empty.

Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

Disposal recommendations

Refer to section waste chemicals and contaminated packaging.

SECTION 14: Transport information

Label and Mark

Transporting Label	Not applicable
IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

SECTION 15: Regulatory information

International chemical inventory

Component	EC inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Poly(methyl methacrylate)	×	√	√	√	√	√	√	√	√
C11-C13 Isoalkanes	×	×	×	×	×	×	×	×	×
ABS Resins	×	√	√	√	√	√	√	√	√

[EC inventory] European Inventory of Existing Commercial Chemical Substances
[TSCA] United States Toxic Substances Control Act Inventory
[DSL] Canadian Domestic Substances List
[IECSC] China Inventory of Existing Chemical Substances
[NZIoC] New Zealand Inventory of Chemicals
[PICCS] Philippines Inventory of Chemicals and Chemical Substances
[KECI] Korea Existing Chemicals Inventory
[AIIC] Australia. Inventory of Industrial Chemicals (AIIC)
[ENCS] Japan Inventory of Existing & New Chemical Substances

Note:
" √ " Indicates that the substance included in the regulations.
"×" No data or not included in the regulations.

SECTION 16: Other information

Reference

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC50	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD50	Lethal Dose 50%	NTP	National Toxicology Program
EC50	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
ECX	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
POW	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 9th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

*** End of Safety Data Sheet***