SAFETY DATA SHEET

Interplate 937 Part B

Section 1. Identification

Interplate 937 Part B : **GHS product identifier**

NQA936 : **Product code**

Identified uses
Professional application of coatings and inks

Uses advised against	Reason
All Other Uses	

International Paint Ltd.
Stoneygate Lane
Felling
Gateshead
Tyne and Wear
NE10 0JY UK
Tel: +44 (0)191 469 6111 Fax: +44 (0)191 438 3711 : **Supplier's details**

+44 (0)191 469 6111 (24H) : **Emergency telephone number (with hours of operation)**

+966 55 388 0087 : **National advisory body/ Poison Centre (For use only by licensed medical professionals.)**

sdsfellinguk@akzonobel.com : **e-mail address of person responsible for this SDS**

Section 2. Hazards identification

FLAMMABLE LIQUIDS - Category 2
SKIN CORROSION/IRRITATION - Category 3
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 : **Classification of the substance or mixture**

GHS label elements

: **Hazard pictograms**

Danger : **Signal word**

Highly flammable liquid and vapour.
Causes serious eye damage.
Causes mild skin irritation.
May cause drowsiness or dizziness. : **Hazard statements**

Precautionary statements

Section 2. Hazards identification

Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapour. Wash hands thoroughly after handling.	: **Prevention**
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.	: **Response**
Store locked up. Store in a well-ventilated place. Keep cool.	: **Storage**
Dispose of contents and container in accordance with all local, regional, national and international regulations.	: **Disposal**
Wear appropriate respirator when ventilation is inadequate.	: **Supplemental label elements**
None known.	: **Other hazards which do not result in classification**

Section 3. Composition/information on ingredients

Mixture : **Substance/mixture**

Classification	CAS number	% by weight	Ingredient name
Flam. Liq. 2, H225 Acute Tox. 5, H303 Skin Irrit. 3, H316 Eye Irrit. 2A, H319 STOT SE 3, H336	67-63-0	≥25 - ≤50	Isopropyl alcohol
Flam. Liq. 3, H226 Acute Tox. 5, H303 Acute Tox. 5, H313 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	78-83-1	<10	2-methylpropan-1-ol

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.	: **Eye contact**

Section 4. First aid measures

Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	: **Inhalation**
Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.	: **Skin contact**
Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	: **Ingestion**

Most important symptoms/effects, acute and delayed

Potential acute health effects

Causes serious eye damage.	: **Eye contact**
Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system.	: **Inhalation**
Causes mild skin irritation.	: **Skin contact**
Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.	: **Ingestion**

Over-exposure signs/symptoms

Adverse symptoms may include the following: pain watering redness	: **Eye contact**
Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo muscle weakness unconsciousness	: **Inhalation**
Adverse symptoms may include the following: pain or irritation redness blistering may occur	: **Skin contact**
Adverse symptoms may include the following: stomach pains	: **Ingestion**

Indication of immediate medical attention and special treatment needed, if necessary

Section 4. First aid measures

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	: **Notes to physician**
No specific treatment.	: **Specific treatments**
No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	: **Protection of first-aiders**

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Use dry chemical, CO_2, water spray (fog) or foam.	: **Suitable extinguishing media**
Do not use water jet.	: **Unsuitable extinguishing media**
Highly flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.	: **Specific hazards arising from the chemical**
Decomposition products may include the following materials: carbon dioxide carbon monoxide	: **Hazardous thermal decomposition products**
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.	: **Special protective actions for fire-fighters**
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	: **Special protective equipment for fire-fighters**

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	: **For non-emergency personnel**
If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	: **For emergency responders**
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	: **Environmental precautions**

Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.	: **Small spill**

Section 6. Accidental release measures

Large spill :

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures :

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene :

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities :

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Exposure limits	Ingredient name
ACGIH TLV (United States, 3/2015). STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours.	Isopropyl alcohol
ACGIH TLV (United States, 3/2015). TWA: 152 mg/m³ 8 hours. TWA: 50 ppm 8 hours.	2-methylpropan-1-ol

Appropriate engineering controls :

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Section 8. Exposure controls/personal protection

Environmental exposure controls :

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures :

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection :

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection :

Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton® or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/ puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Body protection :

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection :

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection :

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state :

Liquid.

Colour :

Colourless.

Odour :

Solvent.

Odour threshold :

Not available.

pH :

Not applicable.

Melting point :

Not available.

Boiling point :

Lowest known value: 78.29°C (172.9°F) (ethanol).

Section 9. Physical and chemical properties

Closed cup: 14°C (57.2°F)	:	**Flash point**
Not available.	:	**Evaporation rate**
Not available.	:	**Flammability (solid, gas)**
Greatest known range: Lower: 3.3% Upper: 19% (ethanol)	:	**Lower and upper explosive (flammable) limits**
Not available.	:	**Vapour pressure**
Not available.	:	**Vapour density**
0.88	:	**Relative density**
Insoluble in the following materials: cold water.	:	**Solubility**
Not available.	:	**Partition coefficient: n-octanol/water**
Not available.	:	**Auto-ignition temperature**
Not available.	:	**Decomposition temperature**
Kinematic (room temperature): 50 mm^2/s (50 cSt)	:	**Viscosity**

Section 10. Stability and reactivity

No specific test data related to reactivity available for this product or its ingredients.	:	**Reactivity**
The product is stable.	:	**Chemical stability**
Under normal conditions of storage and use, hazardous reactions will not occur.	:	**Possibility of hazardous reactions**
Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.	:	**Conditions to avoid**
Reactive or incompatible with the following materials: oxidizing materials	:	**Incompatible materials**
Under normal conditions of storage and use, hazardous decomposition products should not be produced.	:	**Hazardous decomposition products**

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Exposure	Dose	Species	Result	Product/ingredient name
-	12800 mg/kg	Rabbit	LD50 Dermal	Isopropyl alcohol
-	5000 mg/kg	Rat	LD50 Oral	
4 hours	19200 mg/m^3	Rat	LC50 Inhalation Vapour	2-methylpropan-1-ol
-	3400 mg/kg	Rabbit	LD50 Dermal	
-	2460 mg/kg	Rat	LD50 Oral	

Irritation/Corrosion

Observation	Exposure	Score	Species	Result	Product/ingredient name
-	24 hours 100 milligrams	-	Rabbit	Eyes - Moderate irritant	Isopropyl alcohol
-	10 milligrams	-	Rabbit	Eyes - Moderate irritant	
-	100 milligrams	-	Rabbit	Eyes - Severe irritant	
-	500 milligrams	-	Rabbit	Skin - Mild irritant	

Sensitisation

Section 11. Toxicological information

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Target organs	Route of exposure	Category	Name
Narcotic effects Respiratory tract irritation and Narcotic effects	Not applicable. Not applicable.	Category 3 Category 3	Isopropyl alcohol 2-methylpropan-1-ol

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Not available. : **Information on likely routes of exposure**

Potential acute health effects

Causes serious eye damage. : **Eye contact**

Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system. : **Inhalation**

Causes mild skin irritation. : **Skin contact**

Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach. : **Ingestion**

Symptoms related to the physical, chemical and toxicological characteristics

Adverse symptoms may include the following: : **Eye contact**
pain
watering
redness

Adverse symptoms may include the following: : **Inhalation**
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
muscle weakness
unconsciousness

Adverse symptoms may include the following: : **Skin contact**
pain or irritation
redness
blistering may occur

Adverse symptoms may include the following: : **Ingestion**
stomach pains

Section 11. Toxicological information

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Not available. : **Potential immediate effects**

Not available. : **Potential delayed effects**

Long term exposure

Not available. : **Potential immediate effects**

Not available. : **Potential delayed effects**

Potential chronic health effects

Not available.

No known significant effects or critical hazards. : **General**

No known significant effects or critical hazards. : **Carcinogenicity**

No known significant effects or critical hazards. : **Mutagenicity**

No known significant effects or critical hazards. : **Teratogenicity**

No known significant effects or critical hazards. : **Developmental effects**

No known significant effects or critical hazards. : **Fertility effects**

Numerical measures of toxicity

Acute toxicity estimates

ATE value	Route
7689.9 mg/kg	Oral
42500 mg/kg	Dermal
240 mg/l	Inhalation (vapours)

Section 12. Ecological information

Toxicity

Exposure	Species	Result	Product/ingredient name
48 hours	Crustaceans - Crangon crangon	Acute LC50 1400000 to 1950000 µg/l Marine water	Isopropyl alcohol
96 hours	Fish - Gambusia affinis	Acute LC50 1400000 µg/l	
48 hours	Crustaceans - Artemia salina - Nauplii	Acute LC50 600000 µg/l Marine water	2-methylpropan-1-ol
48 hours	Daphnia - Daphnia magna - Neonate	Acute LC50 1030000 to 1200000 µg/l Fresh water	
96 hours	Fish - Lepomis macrochirus	Acute LC50 1600000 µg/l Fresh water	
21 days	Daphnia - Daphnia magna	Chronic NOEC 4000 µg/l Fresh water	

Persistence and degradability

Not available.

Bioaccumulative potential

Potential	BCF	$LogP_{ow}$	Product/ingredient name
low	-	0.05	Isopropyl alcohol
low	-	1	2-methylpropan-1-ol

Section 12. Ecological information

Mobility in soil

Not available. : **Soil/water partition coefficient (K_{OC})**

No known significant effects or critical hazards. : **Other adverse effects**

Section 13. Disposal considerations

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. : **Disposal methods**

Section 14. Transport information

IATA	IMDG	UN	
UN1263	UN1263	UN1263	**UN number**
PAINT	PAINT	PAINT	**UN proper shipping name**
3 	3 	3 	**Transport hazard class(es)**
II	II	II	**Packing group**
No.	No.	No.	**Environmental hazards**
-	-	-	**Additional information**

Not applicable. : **IMDG Code Segregation group**

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. : **Special precautions for user**

Not available. : **Transport in bulk according to Annex II of Marpol and the IBC Code**

Section 15. Regulatory information

No known specific national and/or regional regulations applicable to this product (including its ingredients). : **Safety, health and environmental regulations specific for the product**

Section 16. Other information

Justification

Justification	Classification
On basis of test data	Flam. Liq. 2, H225
Calculation method	Skin Irrit. 3, H316
Calculation method	Eye Dam. 1, H318
Calculation method	STOT SE 3, H336

History

07/05/2017 : **Date of printing**

07/05/2017 : **Date of issue/Date of revision**

01/06/2016 : **Date of previous issue**

3 : **Version**

ATE = Acute Toxicity Estimate : **Key to abbreviations**
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Not available. : **References**

Indicates information that has changed from previously issued version.

Notice to reader

IMPORTANT NOTE: the information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates.

Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

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