



SAFETY DATA SHEET 25102

InnoviBond SPR-Canister Flush Solution LVOC

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	InnoviBond SPR-Canister Flush Solution LVOC
TRADE NAME	6100010
PRODUCT NUMBER	Product number not available.
CHEMICAL FAMILY	No information available.
PRODUCT USE	Industrial use only. Cleaning agent/ Cleaner
MANUFACTURER/SUPPLIER	IKO Industries Ltd. 160 IKO Way Hagerstown, MD 21740 United States
WEBSITE	www.iko.com
EMERGENCY NUMBER	CANUTEC: 1-613-996-6666 (24 hours information only)

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Danger

SYMBOL(S)



CLASSIFICATION Flammable Aerosol – Category 1
Eye Irritation – Category 2A
Skin Sensitization – Category 1
Specific Target Organ Toxicity, Single Exposure – Category 3

HAZARD STATEMENTS Extremely flammable aerosol.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.



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IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA

Health: 2

Flammability: 4

Instability: 1

HMIS

Health: 2

Flammability: 4

Physical Hazards: 1

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

CHEMICAL NAME	% (w/w)	CAS NUMBER
acetone	50-100	67-64-1
4-chloro-alpha,alpha,alpha-trifluorotoluene	25-50	98-56-6
carbon dioxide	2.5-10	124-38-9
d-limonene	≤2.5	5989-27-5

SECTION 4 – FIRST AID

INHALATION

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation. Call a doctor immediately. Overexposure, remove to fresh air and seek medical attention.

INGESTION

Seek medical treatment

SKIN CONTACT

Immediately wash with water and soap and rinse thoroughly.

EYE CONTACT

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

ACUTE AND CHRONIC SYMPTOMS

No further relevant information available.



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MEDICAL ATTENTION

No further relevant information available.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

CO₂, sand, extinguishing powder. Do not use water.

FIRE FIGHTING

Protective equipment: Protective clothing and respiratory protective device.

FLAMMABILITY

Flammable. Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

PROPERTIES:

FLASH POINT < -18 °C (<-0.4 °F)

FLAMMABLE LIMITS IN AIR
Lower: 2.6 Vol %
Upper: 13 Vol %

AUTO IGNITION TEMPERATURE
Product is not selfigniting.

SPECIAL PPE FOR FIRE-FIGHTERS
Protective clothing and respiratory protective device.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS,
PROTECTIVE MEASURES AND
EMERGENCY PROCEDURES

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Protective Action Criteria for Chemicals:

PAC-1:

67-64-1, Acetone, 200 ppm

5989-27-5, d-limonene, 15 ppm

PAC-2:

67-64-1, Acetone, 3200 ppm

5989-27-5, d-limonene, 67 ppm

PAC-1:

67-64-1, Acetone, 5700 ppm

5989-27-5, d-limonene, 170 ppm

ENVIRONMENTAL
PRECAUTIONS

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

SPILL MANAGEMENT

Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

See section 7 for safe handling.



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See section 8 for PPE
See section 13 for disposal considerations

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE No special precautions are necessary if used correctly.
Do not spray on a naked flame or any incandescent material.

STORAGE PRECAUTIONS Store in a cool location away from direct heat. Observe official regulations on storing packagings with pressurized containers. Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CHEMICAL NAME	OCCUPATIONAL EXPOSURE LIMITS		
	OSHA (PEL)	ACGIH (TLV)	NIOSH (REL)
Acetone	Long-term value: 2400 mg/m ³ , 1000 ppm	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm BEI	Long-term value: 590 mg/m ³ , 250 ppm
Carbon Dioxide	Long-term value: 9000 mg/m ³ , 5000 ppm	Short-term value: 54,000 mg/m ³ , 30,000 ppm Long-term value: 9000 mg/m ³ , 5000 ppm	Short-term value: 54,000 mg/m ³ , 30,000 ppm Long-term value: 9000 mg/m ³ , 5000 ppm

INGREDIENTS WITH BIOLOGICAL LIMIT VALUES Acetone
50 mg/L BEI
Medium: urine
Time: end of shift
Parameter: Acetone (nonspecific)

ENGINEERING MEASURES No information available.

PERSONAL PROTECTIVE EQUIPMENT: Gloves, goggles, protective work clothing

RESPIRATORY PROTECTION Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.



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SKIN AND BODY PROTECTION Protective Gloves (glove material has to be impermeable and resistant to the product/ the substance/ the preparation). Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

EYE PROTECTION Tightly sealed goggles. Safety glasses with side shields.

HYGIENE MEASURES Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

OTHER CONTROLS No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Form: Aerosol Color: Clear
ODOR	Solvent-like
ODOR THRESHOLD	Not determined
PH	Not determined.
MELTING POINT/FREEZING POINT	Not determined.
INITIAL BOILING POINT AND BOILING RANGE	55.8-56.6 °C (132.4-133.9 °F)
FLASH POINT	< -18 °C (<-0.4 °F)
EVAPORATION RATE	Not applicable
FLAMMABILITY	Flammable. Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Lower: 2.6 Vol % Upper: 13 Vol %



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VAPOR PRESSURE	233 hPa (174.8 mm Hg) at 20 °C (68 °F):
VAPOR DENSITY	Not determined.
RELATIVE DENSITY	Not determined
MOLECULAR WEIGHT	No information available.
SOLUBILITY(IES)	Not miscible or difficult to mix (water)
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not determined.
IGNITION TEMPERATURE	465 °C (869 °F)
AUTO-IGNITION TEMPERATURE	Product is not selfigniting.
SPECIFIC GRAVITY	0.935 g/cm ³ (7.80258 lbs/gal) at 20 °C (68 °F):
VISCOSITY	Dynamic: <5 cps Kinematic: Not determined

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	No information available.
CHEMICAL STABILITY	No decomposition if used according to specifications.
POSSIBILITY OF HAZARDOUS REACTIONS	No dangerous reactions known
CONDITIONS TO AVOID	No information available.
INCOMPATIBLE MATERIALS	No information available.
HAZARDOUS DECOMPOSITION PRODUCTS	No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY	LD/LC50 values that are relevant for classification 67-64-1acetone: Oral LD50 5,800 mg/kg (rat) Dermal LD50 20,000 mg/kg (rabbit) 5989-27-5d-limonene Oral LD50 4,400 mg/kg (rat)
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	No information available.



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PRIMARY ROUTE OF EXPOSURE On the skin: Irritant to skin and mucous membranes.
On the eye: Irritating effect.

HEALTH EFFECTS:

EYES on the eye: Irritating effect

SKIN on the skin: Irritant to skin and mucous membranes. Sensitization possible through skin contact.

INHALATION No further relevant information available.

INGESTION No further relevant information available.

STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE May cause drowsiness or dizziness.

STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE No information available.

CARCINOGENICITY Carcinogenic categories:
IARC (International Agency for Research on Cancer)
5989-27-5 d-limonene, group 3

NTP (National Toxicology Program)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

REPRODUCTIVE TOXICITY: No information available.

DEVELOPMENT OF OFFSPRING No information available.

SEXUAL FUNCTION AND FERTILITY No information available.

GERM CELL MUTAGENICITY No information available.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms, and fish.

PERSISTENCE & DEGRADABILITY No information available.



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BIODEGRADATION MOBILITY No information available.

BIOACCUMULATION
POTENTIAL No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL
RECOMMENDATIONS Waste treatment methods: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Disposal must be made according to official regulations.

Uncleaned packagings: Disposal must be made according to official regulations.

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER: UN3501
DOT, ADN, IMDG, IATA

UN PROPER SHIPPING
NAME: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (ACETONE,
DOT, ADN, IMDG, IATA CHLOROBENZOTRIFLUORIDES), MARINE POLLUTANT

TRANSPORT HAZARD
CLASS(ES): Class; 2.1 Label; 2.1
DOT, ADN, IMDG, IATA

PACKING GROUP: Not regulated.
DOT, IMDG, IATA

ENVIRONMENTAL HAZARD Product contains environmentally hazardous substances: d-limonene
Marine pollutant (DOT)

SPECIAL PRECAUTIONS
FOR USERS Warning: Gases
Danger code (Kemler): 33
EMS Number: F-E,S-E
Segregation groups: Liquid halogenated hydrocarbons
Stowage Category: E

TRANSPORT IN BULK
ACCORDING TO ANNEX II
OF MARPOL 73/78 AND THE
IBC CODE Not applicable.

TRANSPORT/ADDITIONAL
INFORMATION Special marking with the symbol (fish and tree).

UN "MODEL REGULATION" UN 3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.
(ACETONE, CHLOROBENZOTRIFLUORIDES), 2.1,
ENVIRONMENTALLY HAZARDOUS



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SECTION 15 - REGULATIONS

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Hazardous Air Pollutants

None of the ingredients is listed.

Proposition 65

Please contact supplier for more information regarding Proposition 65 on this product.

(DSL) Canada Domestic Substance List

All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

New Jersey Right-to-Know List:

67-64-1 acetone

124-38-9 carbon dioxide

New Jersey Special Hazardous Substance List:

67-64-1 acetone, F3

Pennsylvania Right-to-Know List:

67-64-1 acetone

124-38-9 carbon dioxide

Pennsylvania Special Hazardous Substance List:

67-64-1 acetone, E

Carcinogenicity categories

EPA (Environmental Protection Agency)

67-64-1 acetone, I

TLV (Threshold Limit Value established by ACGIH)

67-64-1 acetone, A4

MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.



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NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

National regulations:

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS January 27, 2021

REPLACES THE MSDS/SDS FROM (new)

PREPARED BY HSE department

GENERAL INFORMATION 1-888-766-2468

WEBSITE www.iko.com

OTHER INFO/DISCLAMERS Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.