



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	InnoviBond SPR-Canister Flush Solution
TRADE NAME	6100009
PRODUCT NUMBER	Product number not available.
CHEMICAL FAMILY	No information available.
PRODUCT USE	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
Reproductive Toxicity – Category 2
Specific Target Organ Toxicity, Repeated Exposure – Category 2
Aspiration Hazard – Category 1
Skin Irritation – Category 2
Eye Irritation – Category 2A
Specific Target Organ Toxicity, Single Exposure – Category 3

HAZARD STATEMENTS
Extremely flammable aerosol.
Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.

PRECAUTIONARY STATEMENTS
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Ground/bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Wash thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If swallowed: Immediately call a poison center/doctor.
 Specific treatment (see on this label).
 Do NOT induce vomiting.
 If on skin (or hair): Take off immediately all contaminated clothing.
 Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF exposed or concerned: Get medical advice/attention.
 Call a poison center/doctor if you feel unwell.
 Get medical advice/attention if you feel unwell.
 Take off contaminated clothing and wash it before reuse.
 If skin irritation occurs: Get medical advice/attention.
 In case of fire: Use for extinction: CO2, powder or water spray.
 Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool. Store locked up.
 Dispose of contents/container in accordance with local / regional / national / international regulations.

NFPA

Health: 2
 Flammability: 4
 Reactivity: 1

HMS

Health: 2
 Flammability: 4
 Physical Hazards: 1

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

CHEMICAL NAME	% (w/w)	CAS NUMBER
Toluene	50-100%	108-88-3
Carbon Dioxide	5-20%	124-38-9

SECTION 4 – FIRST AID

INHALATION

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.



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

SKIN CONTACT	Immediately wash with water and soap and rinse thoroughly.
EYE CONTACT	Rinse opened eye for several minutes under running water.
ACUTE AND CHRONIC SYMPTOMS	No further relevant information available.
MEDICAL ATTENTION	No further relevant information available.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Suitable extinguishing: CO2, sand, extinguishing powder. Do not use water. Unsuitable extinguishing: Water, water with full jet
ADVICE FOR FIRE FIGHTING	Protective equipment: Protective clothing and respiratory protective device.
FLAMMABILITY	Flammable
PROPERTIES	Form: Pasty Color: Gray Odor: Hydrocarbon-like Odor threshold: Not determined
FLASH POINT	4 °C (39.2 °F).
AUTO IGNITION TEMPERATURE	Product is not selfigniting.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES	Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away Protective Action Criteria for Chemicals · PAC-1: <table border="1"> <tr> <td>108-88-3</td> <td><i>toluene</i></td> <td>67 ppm</td> </tr> </table> PAC-2: <table border="1"> <tr> <td>108-88-3</td> <td><i>toluene</i></td> <td>560 ppm</td> </tr> </table> PAC-3: <table border="1"> <tr> <td>108-88-3</td> <td><i>toluene</i></td> <td>3700* ppm</td> </tr> </table>	108-88-3	<i>toluene</i>	67 ppm	108-88-3	<i>toluene</i>	560 ppm	108-88-3	<i>toluene</i>	3700* ppm
108-88-3	<i>toluene</i>	67 ppm								
108-88-3	<i>toluene</i>	560 ppm								
108-88-3	<i>toluene</i>	3700* ppm								
ENVIRONMENTAL PRECAUTIONS	Do not allow to enter sewers/ surface or ground water.									



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

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.

REFERENCE TO OTHER SECTIONS See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE Open and handle receptacle with care.

STORAGE PRECAUTIONS Do not spray on a naked flame or any incandescent material. 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.

Requirements to be met by storerooms and receptacles: Store in a cool location away from direct heat. (40-122F)
Information about storage in one common storage facility:
Keep container closed when not in use.
Further information about storage conditions: Keep receptacle tightly sealed. Do not gas tight seal. Store in cool, dry conditions in well sealed receptacles.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE LIMITS				
CHEMICAL NAME	PEL	REL	TLV	
108-88-3 <i>Toluene</i>	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift	Long-term value: 375 mg/m ³ , 100 ppm Short-term value: 560 mg/m ³ , 150 ppm	Long-term value: 75 mg/m ³ , 20 ppm BEI	0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene 0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene 0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

124-38-9]Carbon Dioxide	Long-term value: 9000 mg/m ³ , 5000 ppmfraction	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	Not applicable
-----------------------------	---	---	---	----------------

ENGINEERING MEASURES

No further information available.

PERSONAL PROTECTIVE EQUIPMENT

See listings below

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.

BODY PROTECTION

Protective work clothing

EYE PROTECTION

Safety glasses with side shields. Tightly sealed goggles.

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. Store protective clothing separately. Avoid contact with the eyes and skin.

OTHER CONTROLS

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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 must be observed.



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Form: Aerosol Color: Colourless
ODOR	Solvent-like
ODOR THRESHOLD	Not applicable.
PH	Not applicable.
MELTING POINT/FREEZING POINT	Melting point: Undetermined.
INITIAL BOILING POINT AND BOILING RANGE	Boiling point: Undetermined.
IGNITION TEMPERATURE	230 °C (446 °F)
BOILING POINT	-78.5 °C (-109.3 °F)
FLASH POINT	4 °C (39.2 °F)
EVAPORATION RATE	Not determined.
FLAMMABILITY	Flammable
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Lower: 1.2 Vol % Upper: 7.0 Vol %
VAPOR PRESSURE at 20 °C (68 °F)	57,300 hPa (42,978.5 mm Hg)
VAPOR DENSITY	Not applicable.
RELATIVE DENSITY	Not determined.
MOLECULAR WEIGHT	No information available.
SOLUBILITY(IES)	Not miscible or difficult to mix.
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not determined.
IGNITION TEMPERATURE	535 °C (995 °F)
AUTO-IGNITION TEMPERATURE	Product is not selfigniting.
SPECIFIC GRAVITY 20 °C (68 °F)	0.7398 g/cm ³ (6.17363 lbs/gal)



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

VISCOSITY	Dynamic: No information available. Kinematic: No information available.
SOLVENT CONTENT	Organic solvents: 85.0 %
SOLIDS CONTENT	0.0%
OTHER INFORMATION	No further information available.

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY	No further relevant information available.
CHEMICAL STABILITY	
POSSIBILITY OF HAZARDOUS REACTIONS	No dangerous reactions known. No decomposition if used according to specifications.
CONDITIONS TO AVOID	Heat, flames, sparks.
INCOMPATIBLE MATERIALS	No further relevant 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:

108-88-3 toluene

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	No further information available
PRIMARY ROUTE OF EXPOSURE	On the skin: Skin irritant On the eye: May irritate the eye.
EYES	May irritate the eye.
SKIN	Irritant to skin and mucous membranes.
INHALATION	No further information available
INGESTION	No further information available
SENSITIZATION	No sensitizing effects known.



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

CARCINOGENICITY

IARC (International Agency for Research on Cancer)
108-88-3, Toluene, Group 3

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

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

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY

No further relevant information available.

PERSISTENCE & DEGRADABILITY

No further relevant information available.

BIODEGRADATION MOBILITY

No further relevant information available.

BIOACCUMULATION POTENTIAL

No further relevant information available.

MOBILITY IN SOILS

No further relevant information available.

GENERAL NOTES

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.

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. Disposal must be made according to official regulations.

Uncleaned packagings: Disposal must be made according to official regulations

SECTION 14 – TRANSPORT INFORMATION

UN-NUMBER: DOT, ADN, IMDG, IATA

UN3501

UN PROPER SHIPPING NAME: DOT, ADN, IMDG, IATA

CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (TOLUENE)

TRANSPORT HAZARD CLASS(ES): DOT, ADN, IMDG, IATA CLASS

Class 2.1
Label 2.1



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

PACKING GROUP: DOT, IMDG, IATA	Not regulated.
ENVIRONMENTAL HAZARDS	Not applicable.
SPECIAL PRECAUTIONS FOR USERS	Warning: Gases Danger code (Kemler) EMS Number: F-D,S-U Stowage Code: SW1 Protected from sources of heat. SW2 Clear of living quarters.
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE	Not applicable.
TRANSPORT/ADDITIONAL INFORMATION	No further relevant information available.
UN "MODEL REGULATION"	UN 3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (TOLUENE), 2.1

SECTION 15 - REGULATIONS

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
108-88-3 *toluene*

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 the 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:
All ingredients are listed.
New Jersey Special Hazardous Substance List:
108-88-3 *toluene*

Pennsylvania Right-to-Know List:
All ingredients are listed.



SAFETY DATA SHEET 25101

InnoviBond SPR-Canister Flush Solution

Pennsylvania Special Hazardous Substance List:
108-88-3 *toluene*

Carcinogenicity categories
EPA (Environmental Protection Agency):
108-88-3 *toluene*

TLV (Threshold Limit Value established by ACGIH):
108-88-3 *toluene*

MAK (German Maximum Workplace Concentration):
None of the ingredients is listed.

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

National regulations:
Information about limitation of use: Use by properly trained workers recommended

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/DISCLAIMERS	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.