Seal and Bond Remover

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

1.1. PRODUCT IDENTIFIER

Product name : Seal and Bond Remover
Product number : 04.0107.9999

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

1.2.1. RELEVANT IDENTIFIED USES

Main use category : Industrial use,Professional use
Use of the substance / the mixture : Seal and Bond Remover is a technical cleaner for the fast and efficient removal of many types of glue.

Title	Sector of use	Product category	Process category	Article category	Environmental release	SPERC
Professional use	SU22	PC35	PROC11			
Industrial use	SU3	PC35	PROC7			

Full text of use descriptors: see section 16

1.2.2. USES ADVISED AGAINST

Consumer use,This product requires technical knowledge in order to properly use it. Therefore, it is intended for professional/industrial use only.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

PCS Innotec International NV
Schans 4
BE - 2480 Dessel
T.: +32 (0) 14 32 60 01
F.: +32 (0) 14 32 60 12
environment@PCS-innotec.com

1.4. EMERGENCY TELEPHONE NUMBER

24h/24h (Telephone advice: English, French, German, Dutch):
BIG : +32 (0) 14 58 45 45

SECTION 2: Hazards identification

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008 (CLP)

Aerosol 1	H222;H229
STOT SE 3	H336
Asp. Tox. 1	H304

Full text of H-statements: see section 16

ADVERSE PHYSICOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS

Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis. Warning! Pressurized container. Has a narcotizing effect.

2.2. LABEL ELEMENTS

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]

Hazard pictograms (CLP)

GHS02 GHS07 GHS08

Signal word (CLP) Danger

Hazardous ingredients Naphtha (petroleum), hydrotreated heavy

Hazard statements (CLP)
H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
H304 - May be fatal if swallowed and enters airways
H336 - May cause drowsiness or dizziness

Precautionary statements (CLP)
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P251 - Do not pierce or burn, even after use
P211 - Do not spray on an open flame or other ignition source
P261 - Avoid breathing vapours, spray
P271 - Use only outdoors or in a well-ventilated area
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
P304 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P331 - Do NOT induce vomiting
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P403 - Store in a well-ventilated place

EUH-statements EUH066 - Repeated exposure may cause skin dryness or cracking

2.3. OTHER HAZARDS

No information available

SECTION 3: Composition/information on ingredients

3.1. SUBSTANCE

Not applicable

3.2. MIXTURE

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Naphtha (petroleum), hydrotreated heavy (Contains < 0,1% benzene (71-43-2))	(CAS number) 64742-48-9 (EINECS / ELINCS number) 919-857-5 (EC index no) 649-327-00-6 (REACH-no) 01-2119463258-33	75 - 100	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
Propan-2-ol	(CAS number) 67-63-0 (EINECS / ELINCS number) 200-661-7 (REACH-no) 01-2119457558-25	3 - 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Xylene	(CAS number) 1330-20-7 (EINECS / ELINCS number) 215-535-7 (EC index no) 601-022-00-9 (REACH-no) 01-2119488216-32	3 - 10	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315
Carbon dioxide (substance with a Community workplace exposure limit)	(CAS number) 124-38-9 (EINECS / ELINCS number) 204-696-9	2,5 - 3	Compressed gas, H280

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. DESCRIPTION OF FIRST AID MEASURES

General advice : If you feel unwell, seek medical advice (show the label where possible).

Inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact : As a general rule, the product is non-irritating to the skin.

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion : Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Inhalation : May cause drowsiness or dizziness.

Skin contact : Repeated exposure may cause skin dryness or cracking.

Ingestion : May be fatal if swallowed and enters airways.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information available

SECTION 5: Firefighting measures

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media : Water spray. carbon dioxide (CO2). alcohol-resistant foam. Dry powder.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire hazard : Extremely flammable aerosol.

Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. ADVICE FOR FIREFIGHTERS

Firefighting instructions : Prevent fire-fighting water from entering environment. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General measures Wear suitable protective clothing.

6.1.1. FOR NON-EMERGENCY PERSONNEL

Protective equipment : Refer to protective measures listed in sections 7 and 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. FOR EMERGENCY RESPONDERS

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation. Do not flush with water. Do not flush with aqueous cleansing agents.

Other information : Ensure adequate ventilation.

6.4. REFERENCE TO OTHER SECTIONS

Stable in handling and storage conditions as recommended in section 7. Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning: see section 13.

SECTION 7: Handling and storage

7.1. PRECAUTIONS FOR SAFE HANDLING

Additional hazards when processed : Pressurized container: Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. In use, may form flammable vapour-air mixture.

Precautions for safe handling : Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep in fireproof place. No smoking. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

Technical condition(s) : Store in a well-ventilated place. Impermeable underground / retention basin.

Special rules on packaging : Keep container tightly closed and dry. Keep only in original container.

7.3. SPECIFIC END USE(S)

No information available

SECTION 8: Exposure controls/personal protection

8.1. CONTROL PARAMETERS

Propan-2-ol (67-63-0)		
Belgium	Local name	Alcool isopropylique
Belgium	Limit value (mg/m³)	500 mg/m³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m³)	1000 mg/m³
Belgium	Short time value (ppm)	400 ppm

Xylene (1330-20-7)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m³)	221 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m³)	442 mg/m³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
Belgium	Local name	Xylène, isomères mixtes, purs
Belgium	Limit value (mg/m³)	221 mg/m³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m³)	442 mg/m³
Belgium	Short time value (ppm)	100 ppm
Belgium	Remark (BE)	D

Carbon dioxide (124-38-9)		
Belgium	Local name	Carbone (dioxyde de)
Belgium	Limit value (mg/m³)	9131 mg/m³
Belgium	Limit value (ppm)	5000 ppm
Belgium	Short time value (mg/m³)	54784 mg/m³
Belgium	Short time value (ppm)	30000 ppm
Belgium	Remark (BE)	A

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	300 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1500 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	300 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	900 mg/m³
Long-term - systemic effects, dermal	300 mg/kg bodyweight/day

Propan-2-ol (67-63-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	500 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m³
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day

8.2. EXPOSURE CONTROLS

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protective equipment : Gloves. In case of inadequate ventilation wear respiratory protection. Safety glasses.

Hand protection : Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. . Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Eye protection : In case of splash hazard: safety glasses.

Skin protection : Wear suitable protective clothing.

Respiratory protection : Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Recommended: filter type AX/P2.

SECTION 9: Physical and chemical properties

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid

Appearance : Aerosol
Colour : Clear

Odour : Characteristic

Odour threshold : No data available

pH : No data available

Evaporation rate : No data available

Melting point/melting range : No data available

Freezing point : No data available

Boiling point/range : 82 °C

Flash point : 13 °C

Auto-ignition temperature : Product is not selfigniting.

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : 1 hPa (20°C)

Vapour density : No data available

Relative density (water = 1) : 0,79 (20°C)

Solubility	: Water: Not miscible or difficult to mix.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 0,6 - 12 vol %

9.2. OTHER INFORMATION

V.O.C. (V.O.S.) : 770,3 g/l

SECTION 10: Stability and reactivity

10.1. REACTIVITY

Extremely flammable aerosol. In use, may form flammable/explosive vapour-air mixture.

10.2. CHEMICAL STABILITY

Stable under normal conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No information available

10.4. CONDITIONS TO AVOID

No information available

10.5. INCOMPATIBLE MATERIALS

No information available

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No information available

SECTION 11: Toxicological information

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity : Not classified

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 5000 mg/kg
LC50/inhalation/4h/rat	4951 mg/m³

Propan-2-ol (67-63-0)	
LD50/oral/rat	5840 mg/kg
LD50/dermal/rabbit	13900 mg/kg

Propan-2-ol (67-63-0)	
LC50 inhalation rat	25000 mg/m³ (6h)

Xylene (1330-20-7)	
LD50/oral/rat	4300 mg/kg
LD50/dermal/rabbit	2000 mg/kg
ATE CLP (dermal)	1100,000 mg/kg bodyweight
ATE CLP (gases)	4500,000 ppmv/4h
ATE CLP (vapours)	11,000 mg/l/4h
ATE CLP (dust,mist)	1,500 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. TOXICITY

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LC50/96h/fish	> 1000 mg/l (Oncorhynchus mykiss)
EC50 other aquatic organisms	> 1000 mg/l (72h, Pseudokirchneriella subcapitata)
NOEC chronic algae	100 mg/l (72h, Pseudokirchneriella subcapitata)

Propan-2-ol (67-63-0)	
LC50/96h/fish	9640 mg/l (Pimephales promelas)
LC50 other aquatic organisms	9714 mg/l (24h, Daphnia magna)
LOEC (chronic)	1000 mg/l (8 days, Algae)

Xylene (1330-20-7)	
LC50/96h/fish	8,9 - 16,4 mg/l (Pimephales promelas)
EC50/48h/daphnia magna	3,2 - 9,5 mg/l

12.2. PERSISTENCE AND DEGRADABILITY

No information available

12.3. BIOACCUMULATIVE POTENTIAL

No information available

12.4. MOBILITY IN SOIL

No information available

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

No information available

12.6. OTHER ADVERSE EFFECTS

General information(s) : Avoid release to the environment. Danger to drinking water, even if small amounts leak into the subsoil.

SECTION 13: Disposal considerations

13.1. WASTE TREATMENT METHODS

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste / unused products : Avoid release to the environment. Should not be landfilled with household waste.
European List of Waste (LoW) code : 07 06 04* - other organic solvents, washing liquids and mother liquors
15 01 04 - metallic packaging

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN NUMBER

UN-No. (ADR): : 1950
UN-No. (IMDG) : 1950

14.2. UN PROPER SHIPPING NAME

Proper Shipping Name (ADR) : AEROSOLS, flammable
Proper Shipping Name (IMDG) : AEROSOLS
Transport document description (ADR) : UN 1950 AEROSOLS, flammable (), 2.1, (D)
Transport document description (IMDG) : UN 1950 AEROSOLS, 2

14.3. TRANSPORT HAZARD CLASS(ES)

ADR
Transport hazard class(es) (ADR) : 2.1
Danger labels (ADR) : 2.1

:

IMDG
Transport hazard class(es) (IMDG) : 2.1

Danger labels (IMDG) : 2.1

:

14.4. PACKING GROUP

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable

14.5. ENVIRONMENTAL HAZARDS

Dangerous for the environment : No
Marine pollutant : No
Further information : No supplementary information available

14.6. SPECIAL PRECAUTIONS FOR USER

14.6.1. OVERLAND TRANSPORT

Classification code (ADR) : 5F
Limited quantities (ADR) : 1l
Transport category (ADR) : 2
Tunnel restriction code : D

14.6.2. TRANSPORT BY SEA

Limited quantities (IMDG) : 1 L
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U

14.6.3. AIR TRANSPORT

Not applicable

14.6.4. INLAND WATERWAY TRANSPORT

Not applicable

14.6.5. RAIL TRANSPORT

Not applicable

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not applicable

SECTION 15: Regulatory information

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

15.1.1. EU REGULATIONS

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

V.O.C. (V.O.S.) : 770,3 g/l

Ingredients according to the Regulation (EC) 648/2004 on detergents : >= 30% aliphatic hydrocarbons, 5-15% aromatic hydrocarbons

15.1.2. NATIONAL REGULATIONS

15.2. CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	ATE = Acute Toxicity Estimate
	CAS = Chemical Abstracts Service
	CLP = Classification, labelling and packaging
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No-Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent
	LEL = Lower Explosion Limit
	MAK = Maximale Arbeitsplatzkonzentrationen
	MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSCh = Najwyższe Dopuszczalne Stężenie Chwilowe
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	PNEC = Predicted No-Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STEL = Short term exposure limit
	STOT RE = specific target organ toxicity repeated exposure
	STOT SE = specific target organ toxicity single exposure
	SVHC = Substance of Very High Concern
	TLV = Threshold Limit Value
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	UEL = Upper Explosion Limit
	VLA-EC = valores límite ambientales para la exposición de corta duración

	VLA-ED = valores límite ambientales para la exposición diaria
	VLE = Valeur Limite d'exposition
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefärhdungsklasse

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aerosol 1	Aerosol, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Compressed gas	Gases under pressure. Compressed gas
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
EUH066	Repeated exposure may cause skin dryness or cracking
PC35	Washing and cleaning products (including solvent based products)
PROC11	Non industrial spraying
PROC7	Industrial spraying
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3	Industrial uses: Uses of substances as such or in preparations* at industrial sites

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Disclaimer with regard to REACH:
The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:
The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the

requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.