




**SAFETY DATA SHEET**

**1 – IDENTIFICATION**

IDENTIFIER	CRYSTAL SEAL
PRODUCT CODE	680-01, 680-016, 680-032, 680-15, 680-55
RECOMMENDED USE	Correcting sealant.
RESTRICTIONS ON USE	Use in a well ventilated area.
SUPPLIER / MANUFACTURER	AUTO-CHEM INC 33 de Lyon Repentigny, QC J5Z 4Z3 450-654-9292 www.autochem.com
EMERGENCY TELEPHONE	CANUTEC 1-613-996-6666 (24 hours)

**2 – HAZARD IDENTIFICATION**

CLASSIFICATION	Flammable liquids 3 Skin irritation 3 Eye irritation 2A Specific target organ toxicity, single exposure; respiratory tract irritation 3 Hazardous to the aquatic environment, acute hazard 2	
LABEL ELEMENTS		
SIGNAL WORD	WARNING	
HAZARD STATEMENT	H226 H316 H319 H335 H401	Flammable liquid and vapours. Causes mild skin irritation. Causes serious eye irritation. May cause respiratory irritation. Toxic to aquatic life.
PRECAUTIONARY STATEMENTS – PREVENTION	P210  P233 P240 P241 P242 P243 P280  P261 P271	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
PRECAUTIONARY STATEMENTS –	P303+P361+P353	IF ON SKIN: take off immediately all contaminated

RESPONSE	P370+P378  P332+P312 P305+P351+P338  P337+P313 P304+P340  P312	clothing. Rinse skin with water (or shower). In case of fire: Use chemical foam, CO2, water spray to extinguish. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
PRECAUTIONARY STATEMENTS – STORAGE	P403+P235 P233 P405	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up
PRECAUTIONARY STATEMENTS - ELIMINATION	P501	Dispose contents/containers according to municipal, provincial and federal regulations.
OTHER HAZARDS	Not applicable.	

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S	CONCENTRATION
Petroleum distillate, hydrotreated light	64742-47-8	15 – 40 *
Naphtha (petroleum), hydrotreated heavy	64742-48-9	5 – 10 *

\* TRADE SECRET STATEMENT: The exact concentration of composition has been withheld as a trade secret.

### 4 – FIRST AID MEASURES

ROUTE OF EXPOSURE	Inhalation, eyes, skin, ingestion
INHALATION	IF INHALED: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CONTROL CENTER or physician.
DERMAL	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
OCULAR	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
ORAL	NEVER give anything orally if victim is losing consciousness, is unconscious or having convulsions. Rinse mouth with water thoroughly. DO NOT INDUCE VOMITING. Ask victim to drink two glasses of water. If vomiting occurs naturally, lean victim forward to reduce risks of aspiration. Continue to drink water. Obtain medical care.
NOTE TO PHYSICIAN	Specific treatment: Treat symptomatically.

### 5 – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Use chemical foam, CO2, water spray to extinguish.
UNSUITABLE EXTINGUISHING MEDIA	Direct water jet may disperse material and spread fire.

SPECIFIC HAZARDS	Carbon oxides, nitrogen oxides, acrid smoke.
PROTECTIVE EQUIPMENT	Fire-fighters must wear protective equipment and NIOSH approved self-contained breathing apparatus.
PRECAUTIONS	Do not let water run-off reach sewers, ditches or waterways.

## 6 – ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT	Wear appropriate respiratory equipment (See Section 8). Avoid direct contact with product. Remove non-essential personnel.
CONTAINMENT AND CLEAN UP	Ventilate spill area. Stop spill if safe to do so. Contain and absorb with an inert absorbing material for future disposal (See Section 13). Prevent spill from entering sewers or waterways. Retain water run-off if applicable. Inform proper authorities if necessary.
ENVIRONMENTAL PRECAUTIONS	Avoid entering sewers, waterways or restricted areas. Eliminate according to municipal, provincial and federal regulations.

## 7 – HANDLING AND STORAGE

HANDLING	Containers must be identified correctly. Handle in a well ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust, vapours or mists. Avoid contact with eyes, skin and clothes. Keep containers closed when not in use. Empty containers may contain residues and must be handled as hazardous waste. Maintain good personal hygiene before eating, drinking or smoking. Do not eat, drink or smoke while using the product or in proximity. Wash contaminated clothing before reuse.
STORAGE	Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep containers closed.
INCOMPATIBLE MATERIALS	Strong oxidizing agents, acids, alkalis.

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
Petroleum distillate, hydrotreated light	64742-47-8	ACGIH	TWA 197 ppm (1200 mg/m <sup>3</sup> )
Naphtha (petroleum), hydrotreated heavy	64742-48-9	ACGIH OSHA	TWA 175 ppm (1200 mg/m <sup>3</sup> ) (Vapour) TWA 100 ppm (400 mg/m <sup>3</sup> )

ENGINEERING CONTROLS	Use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels to an acceptable level.
RESPIRATORY PROTECTION	Maintain atmospheric concentrations below exposure limits. If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use a NIOSH approved supplied air respirator.
PROTECTIVE EQUIPMENT AND CLOTHING	Wear chemical / impermeable gloves or other protective clothing to prevent repeated or continuous contact with the skin during handling and usage. Wear goggles to prevent mist, vapours or dust to contact eyes. Insure that eyewash stations, showers and cleaning stations are near to work station.

OCULAR PROTECTION	Chemical goggles; also wear a face shield if splashing hazard exists.
GENERAL HYGIENE RECOMMENDATIONS	Ensure that eyewash stations and safety showers are proximal to the work-station location. Avoid production of high concentrations of dust, vapours or mists. Avoid contact with skin and eyes. Avoid breathing dust, vapours or mists. Never eat, drink or smoke near work stations. Good hygiene is recommended after using this product. Clean clothing before reuse.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid, opaque, beige
ODOUR	Acrid.
ODOUR TRESHOLD	Not available.
pH	8.95
MELTING / FREEZING POINT	Not determined.
INITIAL BOILING POINT	Not available.
FLASH POINT	58°C
EVAPORATION RATE	Not available.
FLAMMABILITY	Flammable liquid and vapours.
LOWER FLAMMABLE/EXPLOVISE LIMIT	Not available.
UPPER FLAMMABLE/EXPLOSIVE LIMIT	Not available.
VAPOUR PRESSURE	Not available.
VAPOUR DENSITY	Not available.
RELATIVE DENSITY	0.940
SOLUBILITY (in water)	Dispersible.
PARTITION COEFFICIENT (n-octanol/water)	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VOC	355.8 g/L (0.3785 Kg/Kg)
VISCOSITY	840 cPs

## 10 – STABILITY AND REACTIVITY

REACTIVITY	Stable under recommended usage.
CHEMICAL STABILITY	Stable under normal usage conditions.
HAZARDOUS REACTIONS	Polymerization will not occur.
CONDITIONS TO AVOID	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Incompatible materials.
INCOMPATIBLE MATERIALS	Strong oxidizing agents, acids, alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides, nitrogen oxides.
ADDITIONAL INFORMATION	None.

## 11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS			
INHALATION	Respiratory tract irritation.		
DERMAL	May irritate skin by mechanical action. Redness, itching.		
OCULAR	Severe eye irritation by mechanical action. Redness, pain, tearing.		
ORAL	Ingestion not likely during normal use. Nausea, vomiting, gastric distress.		
CHRONIC EFFECTS			
INHALATION	No data.		
DERMAL	No data.		
OCULAR	No data.		
ORAL	No data.		
ADDITIONAL INFORMATION			
CARCINOGENIC EFFECTS (IARC)	Petroleum distillate, hydrotreated light	64742-47-8	Group 3: Not classifiable as to its carcinogenicity to humans.
MUTAGENIC EFFECTS	No data.		
TERATOGEN EFFECTS	No data.		
REPRODUCTION	No data.		
SENSIBILISATION	No data.		
TARGET ORGANS	No data.		
AGGRAVATED CONDITIONS	No data.		
SYNERGISTIC SUBSTANCES	No data.		

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION
Petroleum distillate, hydrotreated light	64742-47-8	>5000, rat	>3000, rabbit	No data.
Naphtha (petroleum), hydrotreated heavy	64742-48-9	>5000, rat	>5000, rabbit	>5000 mg/m <sup>3</sup> , 4h, rat (Vapour)

## 12 – ECOLOGICAL INFORMATION

Petroleum distillate, hydrotreated light	64742-47-8
LC50 2.2 mg/L, 96h, static	Lepomis macrochirus
LC50 2.4 mg/L, 96h, static	Oncorhynchus mykiss
LC50 45 mg/L, 96h, dynamic	Pimephales promelas


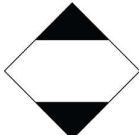
Naphtha (petroleum), hydrotreated heavy	64742-48-9
LL0 1000 mg/L, 96h	Oncorhynchus mykiss
ELO 1000 mg/L, 48h	Daphnia magna
ELO 1000 mg/L, 72h	Pseudokirchneriella subcapitata
NOELR 1 mg/L, 21 days	Daphnia magna
NOELR 1000 mg/L, 72h	Pseudokirchneriella subcapitata

PERSISTENCE AND DEGRADABILITY	Not available.
BIOACCUMULATIVE POTENTIAL	Not available.
SOIL MOBILITY	Not available.
OTHER ADVERSE EFFECTS	Not available.
ADDITIONAL INFORMATION	Do not let material or fire-fighting water run-off enter sewers or waterways. Obstruct drains and ditches. Affected areas must be cleaned and restored to their original conditions or to the satisfaction of the authorities.

### 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
CONTAMINATED PACKAGING	Empty containers should be recycled or disposed of through an approved waste management facility.

### 14 – TRANSPORT INFORMATION

TRANSPORT OF DANGEROUS GOODS (CANADA)				
UN NUMBER	PROPER SHIPPING NAME	CLASS	PACKING GROUP	PLACARD
UN1993	FLAMMABLE LIQUIDS N.O.S. (Hydrocarbons)	3	III	
LIMITED QUANTITY : 5 L				
FLASH POINT	58°C			

MARINE POLLUTANT	No.
SPECIAL PRECAUTIONS	Keep away from excessive heat, ignition sources.

### 15 – REGULATORY INFORMATION

CANADA	
CEPA	All components of this product are either listed or exempt from listing on the Domestic substances List (DSL).
USA	
TSCA	All components of this product are either listed or exempt from listing on the Toxic Substances Control Act (TSCA) Inventory.

### 16 – OTHER INFORMATION

VERSION	1.0
DATE	14 June 2017
PREPARED BY	AUTO-CHEM INC
ABBREVIATIONS	ABBREVIATIONS
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
CIRC	Centre International pour la Recherche sur le Cancer
CL / LC	Concentration létale /Lethal concentration
DL / LD	Dose létale / Lethal dose
CE / EC	Concentration efficace / Effective concentration
IARC	International Agency for Research on Cancer
LCPE	Loi Canadienne sur la Protection de l'Environnement
LES/NDSL	Liste extérieure des substances / Non domestic substances list
LIS/DSL	Liste intérieure des substances / Domestic substances list
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
SIMDUT	Système d'information sur les matières dangereuses utilisées au travail
STEL	Short-term Exposure Limit
STOT	Specific target organ toxicity
TCOC	Toxicité pour certains organes cibles
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
VECD	Valeur exposition courte durée
VEMP	Valeur exposition moyenne pondérée
WHMIS	Workplace Hazardous Materials Information System
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