

## SAFETY DATA SHEET

### 1 – IDENTIFICATION

IDENTIFIER	PROCUT STEP 1
PRODUCT CODE	PRC101L, PRC102G
RECOMMENDED USE	Cutting compound.
SUPPLIER	PROLINE PERFORMANCE PRODUCTS P.O. Box 1136 Olympia, WA USA 98507 360-841-5252 <a href="http://www.ProLinePerformanceProducts.com">www.ProLinePerformanceProducts.com</a>
EMERGENCY TELEPHONE	CANUTEC 1-613-996-6666 (24 hours) CHEMTREC 1-800-424-9300

### 2 – HAZARD IDENTIFICATION

CLASSIFICATION	Flammable liquid 4 Skin irritation 3 Eye irritation 2B	
LABEL ELEMENTS		
SIGNAL WORD	ATTENTION	
HAZARD STATEMENT	H227 H316 H320	Combustible liquid. Causes mild skin irritation. Causes eye irritation.
PRECAUTIONARY STATEMENTS – PREVENTION	P210 P264 P280	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
PRECAUTIONARY STATEMENTS – RESPONSE	P370+P378 P332+P313 P305+P351+P338 P337+P313	In case of fire, use foam, dry powder, water spray, CO2 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.
PRECAUTIONARY STATEMENTS – STORAGE	P403	Store in a well-ventilated place.
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
Aluminium oxide	1344-28-1	17.0
Acid treated light distillate	64742-14-9	10.0
Clay	66402-68-4	5.0
Hydrotreated distillate, heavy	64742-48-9	5.0
Isopropanol	67-63-0	5.0

#### 4 – FIRST AID MEASURES

ROUTE OF EXPOSURE	Inhalation, eyes, skin, ingestion
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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	Foam, dry powder, water spray, CO2.
UNSUITABLE EXTINGUISHING MEDIA	Full water jet.
SPECIFIC HAZARDS	Acrid smoke, carbon oxides, not combusted hydrocarbons.
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. 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. Do not store at temperatures below 0°C.
INCOMPATIBLE MATERIALS	Strong oxidants.

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
Aluminium oxide	1344-28-1	OSHA OSHA CSST	TWA 5 mg/m <sup>3</sup> (resp.) TWA 15 mg/m <sup>3</sup> (total) TWA 10 mg/m <sup>3</sup>
Acid treated light distillate	64742-14-9	ACGIH ACGIH OSHA NIOSH	TWA 5 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup> TWA 5 mg/m <sup>3</sup> IDLH 2055 mg/m <sup>3</sup>
Clay	66402-68-4	OSHA ACGIH	TWA 10 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup>
Hydrotreated distillate, heavy	64742-48-9	NIOSH OSHA	TWA 350 mg/m <sup>3</sup> TWA 500 ppm
Isopropanol	67-63-0	ACGIH ACGIH NIOSH NIOSH OSHA	TWA 200 ppm STEL 400 ppm TWA 400 ppm (980 mg/m <sup>3</sup> ) STEL 500 ppm (1255 mg/m <sup>3</sup> ) TWA 400 ppm (980 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	Paste, opaque, yellow.
ODOUR	Alcohol.
ODOUR TRESHOLD	Not available.
pH (1% in water)	9.00
MELTING / FREEZING POINT	Not determined.
INITIAL BOILING POINT	Not available.
FLASH POINT	>65°C
EVAPORATION RATE	Not available.
FLAMMABILITY	Combustible.
LOWER FLAMMABLE/EXPLOIVE LIMIT	Not determined.
UPPER FLAMMABLE/EXPLOSIVE LIMIT	Not determined.
VAPOUR PRESSURE	Not available.
VAPOUR DENSITY	Not available.
RELATIVE DENSITY	1.013
SOLUBILITY (in water)	Miscible.
PARTITION COEFFICIENT (n-octanol/water)	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VOC (w/w)	20.26 g/L (0.20 kg/kg)
VISCOSITY	> 4500 cst

## 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	Heating, flames, electric discharges.
INCOMPATIBLE MATERIALS	Strong oxidants.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides.
ADDITIONAL INFORMATION	None.

## 11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	
INHALATION	No reported adverse effects.
DERMAL	Frequent or persistent contact can cause skin irritation. Has a degreasing effect on the skin.
OCULAR	Can cause eye irritation.

ORAL	May cause gastric distress.
CHRONIC EFFECTS	
INHALATION	No data.
DERMAL	No data.
OCULAR	No data.
ORAL	No data.
ADDITIONAL INFORMATION	
CARCINOGENIC EFFECTS (IARC)	Not classified.
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
Aluminium oxide	1344-28-1	No data.	No data.	No data.
Acid treated light distillate	64742-14-9	>5000, rat	>2000, rabbit	>5000 ppm, rat
Clay	66402-68-4	No data.	No data.	No data.
Hydrotreated distillate, heavy	64742-48-9	>10000, rat	>3200, rabbit	>2000 ppm., 4h, rat
Isopropanol	67-63-0	>4710, rat	>12870, rabbit	12000 ppm. 8h, rat

## 12 – ECOLOGICAL INFORMATION

Isopropanol	67-63-0
CL50 11130 mg/L, 96 h, static	Pimephales promelas
CL50 9640 mg/L, 96 h, dynamic	Pimephales promelas
CL50 1400 mg/L, 96 h	Lepomis macrochirus
CE50 1000 mg/L, 72 h	Desmodesmus subspicatus
CE50 1000 mg/L, 96 h	Desmodesmus subspicatus

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.
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### 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)	
Not regulated for transport.	
MARINE POLLUTANT	No.
SPECIAL PRECAUTIONS	Do not store at temperatures below 0°C.

### 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	2 February 2016
PREPARED BY	PROLINE PERFORMANCE PRODUCTS
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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