Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	ICR-0010-12 Silicone Remover
Product Use:	Solvent-borne coatings, primers
Company:	PRO-SPRAY An Alco Industries Company 600 Nova Drive S.E. Massillon, Ohio 44646
Phone:	330-830-6000
Fax:	330-830-6005
For Chemical Emergency:	CHEMTEC: 1-800-424-9300 CANUTEC: 1-613-996-6666 (For Canada Call Collect)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word: DANGER
Form: aerosol
Odour : characteristic
Odour - Control parameters : no data available
Hazard Summary : Flammable Aerosol
Irritant
May cause fire.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122 °F.

Potential Health Effects

Eyes : Causes eye irritation.

Skin : May cause skin irritation.

Inhalation : Causes respiratory tract irritation.

Target Organs:	Eyes Central nervous system Skin

Carcinogenicity:

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CA Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %
Naphtha (petroleum), hydrotreated heavy; Low boiling point thermally cracked naphtha	64742-48-9	>= 45 - < 50
butane	106-97-8	>= 25 - < 35
propane	74-98-6	>= 20 - < 25
butan-1-ol; n-butanol	71-36-3	>= 2 - < 3

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area. Never give anything by mouth to an unconscious person. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice. Take off all contaminated clothing immediately.
Inhalation : Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact : Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners.

Eye contact : Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Ingestion : If a person vomits when lying on his back, place him in the recovery position. Clean mouth with water and drink afterwards plenty of water. Ingest activated charcoal. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5. FIRE-FIGHTING MEASURES

Form :	aerosol
Flash point :	< 0 °C (< 32 °F)
Ignition temperature :	365 °C (689 °F)
Lower explosion limit :	1.4 %(V)
Upper explosion limit :	8.5 %(V)
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media which must not be used for safety reasons	High volume water jet
Specific hazards during fire fighting	Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Do not use a solid water stream as it may scatter and spread fire.
Special protective equipment for fire-fighters	Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
Further information	Use water spray to cool unopened containers. Exposure to decomposition products may be a hazard to health. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions :	Ventilate the area. Remove all sources of ignition. Avoid inhalation of vapour or mist. Refer to protective measures listed in sections 7 and 8.
Environmental precautions:	Should not be released into the environment. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up:	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.
CERCLA Hazardous : substances and corresponding RQs	106-97-8 100 lbs final RQ 74-98-6 100 lbs final RQ 71-36-3 5,000 lbs final RQ

SECTION 7. HANDLING AND STORAGE

Handling :	Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Limit the stocks at work place. Do not spray on a naked flame or any other incandescent material. Use only in well-ventilated areas. For personal protection see section 8.
Advice on protection against fire and explosion	Keep away from heat and sources of ignition. Do not smoke. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Electrical equipment should be protected to the appropriate standard.

Dust explosion class :	not applicable
Storage Requirements for storage areas and containers	BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C / 122 °F. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Please observe the storage instructions for aerosols
Advice on common storage :	Keep away from food, drink and animal feeding stuffs. Keep away from oxidising agents and strongly acid or alkaline materials.
Storage period :	24 Months
Storage temperature :	5 - 30 °C (41 - 86 °F)
Other data :	No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	List	Type: Value
butane	106-97-8	NIOSH	REL 800 ppm 1,900 mg/m3
		OSHA Z1A	TWA 800 ppm 1,900 mg/m3
		US CA OEL	TWA PEL 800 ppm 1,900 mg/m3
propane	74-98-6	ACGIH	TWA 1,000 ppm
		NIOSH	REL 1,000 ppm 1,800 mg/m3
		OSHA Z1	PEL 1,000 ppm 1,800 mg/m3
		OSHA Z1A	TWA 1,000 ppm 1,800 mg/m3
		US CA OEL	TWA PEL 1,000 ppm 1,800 mg/m3
butan-1-ol; n-butanol	71-36-3	ACGIH	TWA 20 ppm
		NIOSH	Ceil_Time 50 ppm 150 mg/m3
		OSHA Z1	PEL 100 ppm 300 mg/m3
		OSHA Z1A	Ceiling 50 ppm 150 mg/m3
		US CA OEL	Ceiling 50 ppm 150 mg/m3

Engineering measures:	Provide adequate ventilation.
Eye protection:	Safety glasses
Hand protection:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
Skin and body protection:	impervious clothing
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment. respirator with ABEK filter
Hygiene measures:	Do not inhale aerosol. When using do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday. Wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: aerosol
Odour	: characteristic
Flash point	: < 0 °C (< 32 °F)
Ignition temperature	: 365 °C (689 °F)
Thermal decomposition	: Heating can release hazardous gases, fire or in
Lower explosion limit	: 1.4 %(V)
Upper explosion limit	: 8.5 %(V)
Vapour pressure	: 3.6 hPa at 20 °C (68 °F)

Density	:0.85 g/cm3 at ca.20 °C (68 °F)
Volatile organic compounds (VOC) content	:100 %

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	Heat, flame, and sparks.
Materials to avoid	Strong acids and strong bases Oxidizing agents
Hazardous decomposition products	Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.
Thermal decomposition	Heating can release hazardous gases. Fire or intense heat may cause violent rupture of packages.
Hazardous reactions	Vapours may form explosive mixture with air. Note: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity :	Irritating to respiratory system.
Skin irritation :	Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.
Eye irritation :	The liquid splashed in the eyes may cause irritation and reversible damage. Strong lachrymation can make it difficult to escape
Carcinogenicity :	No data is available on the product itself.
Toxicity to reproduction :	No data is available on the product itself.
Teratogenicity :	No data is available on the product itself.
Further information :	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Liver and kidney injuries may occur. Even the smallest quantities that enter into the lung due to swallowing or subsequent vomiting can lead to a pulmonary oedema or pneumonia.

Component:		
Naphtha (petroleum), hydrotreated heavy; Low boiling point thermally cracked naphtha	64742-48-9	Acute oral toxicity: LD50 rat Dose: > 15,000 mg/kg Acute dermal toxicity: LD50 rabbit Dose: > 3,160 mg/kg Acute inhalation toxicity: LC50 rat Dose: > 12 mg/l Exposure time: 6 h Skin irritation: Result: Mild skin irritation Eye irritation: Result: Mild eye irritation
propane	74-98-6	Skin irritation: Classification: Irritating to skin. Result: Skin irritation Eye irritation: Classification: Irritating to eyes. Result: Mild eye irritation
butan-1-ol; n-butanol	71-36-3	Acute oral toxicity: LD50 rat Dose: 790 mg/kg Acute dermal toxicity: LD50 rabbit Dose: 3,400 mg/kg Acute inhalation toxicity: LC50 rat Dose: > 18 mg/l Exposure time: 4 h Skin irritation: Classification: Irritating to skin. Result: Skin irritation Eye irritation: Classification: Irritating to eyes. Result: Risk of serious damage to eyes.

SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound halogens (AOX)	: not included
Volatile organic compounds (VOC) content	: 100 %
Additional ecological information	: The product should not be allowed to enter drains, water courses or the soil

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal :In accordance with local and national regulations.
Please ensure aerosol cans are sprayed completely empty (including propellant)
Containers that have not been emptied in compliance with regulations are regarded as hazardous waste.

SECTION 14. TRANSPORT INFORMATION

DOT 49 CFR
Proper shipping name : AEROSOLS
UN-No.:1950
Class :2.1
Packing group :
Emergency Response:126
Guidebook Number

TDGR
Proper shipping name : AEROSOLS
UN-No.:1950
Class :2.1
Packing group :
Emergency Response:126
Guidebook Number

ICAO / IATA-DGR
UN UN-No.:1950
Description of the goods : AEROSOLS
Class :2.1
ICAO-Labels :2.1
Packing instruction (cargo :203
aircraft)
Packing instruction :203
(passenger aircraft)
Packing instruction : Y203
(passenger aircraft)

IMDG-Code
UN-No.: UN 1950
Description of the goods : AEROSOLS
Class :2.1
IMDG-Labels:2.1
EmS Number : F-D S-U
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

OSHA Hazards	Flammable Aerosol Moderate respiratory irritant Moderate skin irritant Severe eye irritant
TSCA Status	On TSCA Inventory
DSL Status	All components of this product are on the Canadian DSL list.
SARA 311/312 Hazards	Fire Hazard Acute Health Hazard
CERCLA Reportable Quantity	: 333 lbs

SARA IIIUS. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components	CAS-No.
butan-1-ol; n-butanol	71-36-3

SARA IIIUS. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR355, Appendix A)
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

PENN RTKUS. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Components	CAS-No.
Naphtha (petroleum), hydrotreated heavy; Low boiling point thermally cracked naphtha	64742-48-9
butane	106-97-8
propane	74-98-6
butan-1-ol; n-butanol	71-36-3

MASS RTKUS. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Components	CAS-No.
butane	106-97-8
propane	74-98-6
butan-1-ol; n-butanol	71-36-3

NJ RTK US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Components	CAS-No.
Naphtha (petroleum), hydrotreated heavy; Low boiling point thermally cracked naphtha	64742-48-9
butane	106-97-8
propane	74-98-6
butan-1-ol; n-butanol	71-36-3

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by PRO-SPRAY
An Alco Industries Company
600 Nova Drive, S.E.
Massillon, Ohio 44646
Phone : 330-830-6000
Fax : 330-830-6005

Date Revised: November 13, 2007
Date Reviewed: November 13, 2007
Revision: Format