

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: 0204-9994-T004
Product Name: 4OZ DEBONDER
Revision Date: Jun 23, 2016 **Date Printed:** Feb 22, 2018
Version: 1.0 **Supersedes Date:** N.A.
Supplier's Name: TOUCH-UP SOLUTIONS
Address: 4372 Providence Mill Rd Maiden, NC, US, 28650
Emergency Phone: 1-800-535-5053 | International : 1-352-323-3500
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Product/Recommended Uses:

SECTION 2) HAZARDS IDENTIFICATION

Classification

Specific Target Organ Toxicity -Single Exposure (Narcotic Effects) - Category 3
Skin Irritation - Category 3
Eye Irritation - Category 2A
Flammable Liquids - Category 2
Acute toxicity Oral - Category 4

Pictograms**Signal Word**

Danger

Hazardous Statements - Physical

Highly flammable liquid and vapor

Hazardous Statements - Health

May cause drowsiness or dizziness
Causes mild skin irritation
Causes serious eye irritation
Harmful if swallowed

Precautionary Statements - General

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wash with water and soap thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take action to prevent static discharges.
Do not eat, drink or smoke when using this product.

Precautionary Statements - Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell.
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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
In case of fire: Use DRY chemical, alcohol-resistant foam, carbon-dioxide, water spray/fog to extinguish.
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
Rinse mouth.

Precautionary Statements - Storage

Store in a well-ventilated place. Store locked up. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to disposal recycling center.
Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Hazards Not Otherwise Classified (HNOC)

None.

SECTION 3) COMPOSITION, INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000075-52-5	NITROMETHANE	60% - 75%
0000078-93-3	METHYL ETHYL KETONE	25% - 40%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs or you feel unwell : Get medical advice/attention. Store contaminated clothing under water and wash before re-use or discard.

Ingestion

Rinse mouth. Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER or doctor.

Important symptoms and effects, both acute and chronic

May be harmful if inhaled. Inhalation of vapors can cause respiratory tract irritation.
May be harmful if absorbed through skin.
May be harmful if swallowed.

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.

Indication of any immediate medical attention and special treatment needed

Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (e.g., gastric lavage after endotracheal intubation).

SECTION 5) FIRE-FIGHTING MEASURES

Unsuitable Extinguishing Media

Do not use water jet.

Special hazards in case of fire

Extremely Flammable.

Vapors are heavier than air and may travel to a source of ignition and flash back.

Hazardous Thermal Decomposition Products may include the following materials: carbon dioxide, carbon monoxide, organics.

Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning Up

Contain spill. Place into drums for proper disposal. Soak up residue with non-flammable absorbent material. DO NOT use saw dust.

Recommended Equipment

Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.
Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Ground and bond containers when transferring materials. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create a fire hazard.

Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not expose containers to heat, sparks, flame or other sources of ignition.

SECTION 8) EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

If exposure limits are exceeded, wear NIOSH respirator.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Engineering controls are imperative when using this product to avoid overexposure. Do not use in closed or confined spaces.

Chemical Name	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Skin designation	OSHA Carcinogen	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen	ACGIH TWA (mg/m3)
METHYL ETHYL KETONE	590	200					590	200	885	300		590
NITROMETHANE	250	100										50

Chemical Name	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Notations	ACGIH TLV Basis	ACGIH Carcinogen
METHYL ETHYL	200	885	300	BEI	URT irr;	

KETONE					CNS & PNS impair	
NITROMETHANE	20			A3	Thyroid eff; URT irr; lung dam	A3

(C) - Ceiling limit, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, dam - Damage, eff - Effects, impair - Impairment, irr - Irritation, PNS - Peripheral nervous system, URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	6.68 lb/gal
Specific Gravity	0.80
% VOC	32.50%
Density VOC	2.17 lb/gal
% Solids By Weight	0.00%

Appearance	N/A
Odor Description	N/A
Odor Threshold	N/A
pH	N/A
Flammability	N/A
Flash Point Symbol	<
Flash Point	0 °C
Lower Explosion Level	1.5% (V)
Upper Explosion Level	10.1% (V)
Low Boiling Point	133 °F
High Boiling Point	N/A
Water Solubility	Negligible
Viscosity	N/A
Freezing Point	<-139 °F
Melting Point	N/A
Vapor Pressure	180
Vapor Density	N/A
Coefficient Water/Oil	N/A
Auto Ignition Temp	869 °F
Evaporation Rate	≤ 0.1
Decomposition Pt	N/A

SECTION 10) STABILITY AND REACTIVITY

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Stability

Stable in normal conditions

Incompatible Materials

Strong oxidizing agents, acids, alkalies.

Hazardous reactions/polymerization

Will not occur.

Conditions to avoid

Avoid heat, flame, spark, electric arcs, and open flames. Reacts violently with phosphorous oxychloride. Vapors may form explosive mixture with air.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely route of exposure

Not available.

Skin Corrosion/Irritation

Causes mild skin irritation

Serious Eye Damage/Irritation

Causes serious eye irritation

Carcinogenicity

Nitromethane is classified as a Group 2B carcinogen under the IARC and as RAHC (Reasonably anticipated to be a human carcinogen) under the National Toxicological Program.

Germ Cell Mutagenicity

No Data Available

Reproductive Toxicity

No Data Available

Respiratory/Skin Sensitization

No Data Available

Specific Target Organ Toxicity - Single Exposure

Target Organs : liver, kidney, central nervous system

May cause drowsiness or dizziness

Specific Target Organ Toxicity - Repeated Exposure

Target Organs : liver, kidney, central nervous system

Aspiration Hazard

No Data Available

Acute Toxicity

No Data Available

Potential Health Effects - Miscellaneous

0000078-93-3 METHYL ETHYL KETONE

Material is irritating to mucous membranes and upper respiratory tract. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, eyes, respiratory system, skin. Prolonged or repeated overexposure may cause any of the following: conjunctivitis, dermatitis. High concentrations have caused embryotoxic effects in laboratory animals. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

0000078-93-3 METHYL ETHYL KETONE

LC50 (male rat): 11,700 ppm (4-hour exposure) (3)

LC50 (male rat): 11,300 ppm (4-hour exposure); cited as 23.5 mg/L (7,990 ppm) (8-hour exposure) (4)

LD50 (oral, adult male rat): 2,740 mg/kg; cited as 3.4 mL/kg (1)

LD50 (dermal, rabbit): greater than 5,000 mg/kg (29)

0000075-52-5 NITROMETHANE

LD50 (oral, rat): 940 mg/kg (+/- 80 mg/kg) (20)

LD50 (oral, rat): 1210 mg/kg (+/- 322 mg/kg) (1)

LD50 (oral, mouse): 950 mg/kg (+/- 122 mg/kg) (20)

LD50 (oral, male, mouse): 1440 mg/kg (4)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

No Data Available

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

UN Number: 1993
Proper Shipping Name: Flammable Liquid N.O.S. (Nitromethane/Methyl ethyl ketone mixture)
Hazard Class: 3
Packaging group: II
Marine Pollutant: No
Poison Inhalation Hazard: No
Reportable Quantity (RQ): 5000 lbs

IMDG Information

UN Number: 1993
Proper Shipping Name: Flammable Liquid N.O.S. (Nitromethane/Methyl ethyl ketone mixture)
Hazard Class: 3
Packaging group: II
Marine Pollutant: No
EMS-No: F-E, S-D

IATA Information

UN Number: 1993
Proper Shipping Name: Flammable Liquid N.O.S. (Nitromethane/Methyl ethyl ketone mixture)
Hazard Class: 3
Packaging group: II

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000075-52-5	NITROMETHANE	60% - 75%	SARA313, IARCcarcinogen,NTP_Carcinogen - National Toxicology Program Carcinogens,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer
0000078-93-3	METHYL ETHYL KETONE	25% - 40%	VOC

SECTION 16) OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

OTHER

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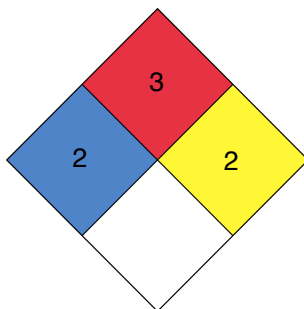
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HMIS

Health	/ 2
FLAMMABILITY	3
Physical Hazard	2
Personal Protection	E

NFPA



(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

Version 1.0:

Revision Date: Jun 23, 2016

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