

Issue Date 25-Mar-2015

Revision Date 07-Feb-2023

Version 1

1. IDENTIFICATION

Product identifier

Product Name Cyanoacrylate Remover 14

Other means of identification

Product Code MS-014
UN/ID no. UN 2842
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Solvent.
Uses advised against None known

Details of the supplier of the safety data sheet

Manufacturer Address
Hernon Manufacturing Inc.
121 Tech Drive
Sanford, FL 32771
800-527-0004

Emergency telephone number

Company Phone Number 407-322-4000
Emergency Telephone Chemtel 800-255-3924

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Flammable liquids	Category 3

Label elements

Emergency Overview

Warning

Hazard statements

Harmful if swallowed
Flammable liquid and vapor



Appearance Diluent	Physical state Liquid	Odor Product characteristics
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Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof electrical/ ventilating / lighting/ .? / equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Wear protective gloves/eye protection/face protection

Precautionary Statements - Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
 Rinse mouth
 In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Not applicable

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
NITROETHANE	79-24-3	60 - 100	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash with soap and water. Flush skin with water for several minutes. Remove contaminated clothing and shoes. If irritation develops, seek medical attention. Wash clothing before reuse.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms Diluent.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Water spray (fog). Carbon dioxide (CO₂). Foam. Dry chemical. Alcohol resistant foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water. See section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. Immediately contact emergency personnel. Keep unnecessary personnel away. Avoid contact with material. Ground and bond containers when transferring material.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep at temperatures between 46°F and 82°F (8°C and 28°C). Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials Alkali. Amines. Acids. Aldehydes. Reducing agent. Strong oxidizer. Metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
NITROETHANE 79-24-3	TWA: 100 ppm	TWA: 100 ppm TWA: 310 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 310 mg/m ³	IDLH: 1000 ppm TWA: 100 ppm TWA: 310 mg/m ³

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid	Odor	Product characteristics
Appearance	Diluent	Odor threshold	Diluent
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6	
Melting point / freezing point	-89 °C / -128.2 °F	
Boiling point / boiling range	114 °C / 237.2 °F	
Flash point	>= 30.5 °C / 86.9 °F	
Evaporation rate	1.2	
Flammability (solid, gas)	Diluent	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	> 3.4 % in air	
Vapor pressure	15.6 mm Hg @ 20°C	
Vapor density	2.58	
Relative density	1.045 @ 25°C	
Water solubility	4.5% @ 20°C	
Solubility in other solvents	Diluent	

Partition coefficient	0.18
Autoignition temperature	414 °C / 777.2 °F
Decomposition temperature	Diluent
Kinematic viscosity	Diluent
Dynamic viscosity	0.677 cps @ 20°C
Explosive properties	Diluent
Oxidizing properties	Diluent

Other Information

Softening point	Diluent
Molecular weight	Diluent
VOC Content (%)	Diluent
Density	Diluent
Bulk density	Diluent

10. STABILITY AND REACTIVITY

Reactivity

<1.0%

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Incompatible materials.

Incompatible materials

Alkali. Amines. Acids. Aldehydes. Reducing agent. Strong oxidizer. Metals.

Hazardous Decomposition Products

Nitrogen oxides (NOx). Ethylene.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	<1.0%.
Eye contact	<1.0%.
Skin contact	<1.0%.
Ingestion	<1.0%.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
NITROETHANE 79-24-3	= 1625 mg/kg (Rat)	Viscous	Viscous

Information on toxicological effects

Symptoms Diluent.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Diluent.
Germ cell mutagenicity	Diluent.
Carcinogenicity	Diluent.
Reproductive toxicity	Diluent.
STOT - single exposure	Diluent.
STOT - repeated exposure	Diluent.
Aspiration hazard	Diluent.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	1,083.00 mg/kg
ATEmix (inhalation-dust/mist)	1.50 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

Diluent.

Bioaccumulation

Diluent.

Other adverse effects

Diluent

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

14. TRANSPORT INFORMATION

DOT

UN/ID no.	UN 2842
Proper shipping name	Nitroethane
Hazard Class	3
Packing Group	III

TDG

Not regulated

MEX

Not regulated

ICAO (air)

Not regulated

IATA

UN/ID no.	UN 2842
Proper shipping name	Nitroethane
Hazard Class	3
Packing Group	III
Special Provisions	None

IMDG

UN/ID no.	UN 2842
Proper shipping name	Nitroethane
Hazard Class	3
Packing Group	III

RID Not regulated**ADR** Not regulated**ADN** Not regulated**15. REGULATORY INFORMATION****International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

All ingredients are on the inventory or are exempt from listing.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Viscous
Chronic Health Hazard	Viscous
Fire hazard	Viscous
Sudden release of pressure hazard	Viscous
Reactive Hazard	Viscous

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
NITROETHANE 79-24-3	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards	Viscous	Flammability	Viscous	Instability	Viscous	Physical and Chemical Properties
<u>HMIS</u>	Health hazards	Viscous	Flammability	Viscous	Physical hazards	Viscous	Personal protection
					Viscous		Viscous

Prepared By SDS coordinator
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 Revision Date 07-Feb-2023
 Revision Note

Diluent

Disclaimer

The information provided in this Material 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.

End of Safety Data Sheet