

SAFETY DATA SHEET

HERNON Activator 63

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issue Date 19-Mar-2015

Revision Date 11-Feb-2021

Version 1

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Code MS-063
Product Name Activator 63
Contains HEPTANE, ISOPROPYL ALCOHOL

1.2 Relevant identified uses of the substances or mixture and uses advised against

Recommended Use: Activator
Use advised against: None known

1.3 Details of the supplier of the safety data sheet

Hernon Manufacturing Inc.
121 Tech Drive
Sanford, FL 32771
800-527-0004
E-Mail customerservice@hernon.com

1.4 Emergency telephone number

Chemtel 800-255-3924
§45 - (EC) 1272/2008 Europe 112

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration toxicity	Category 1 – (H304)
Skin corrosion/irritation	Category 2 – (H315)
Serious eye damage/eye irritation	Category 2 – (H319)
Specific target organ toxicity (single exposure)	Category 3 – (H336)
Acute aquatic toxicity	Category 1 – (H400)
Chronic aquatic toxicity	Category 1 – (H410)
Flammable liquids	Category 2 – (H225)

2.2 Label elements

Product identifier

Contains HEPTANE, ISOPROPYL ALCOHOL



Signal word

Danger

Hazard statements

H304 – May be fatal if swallowed and enters airways

H315 – Causes skin irritation

H319 – Causes serious eye irritation

H336 – May cause drowsiness or dizziness

H410 – Very toxic to aquatic life with long lasting effects

H225 – Highly flammable liquid and vapor

Precautionary Statements – EU §28, No 1272/2008

P201 – Obtain special instructions before use

P202 – Do not handle until all safety precautions have been read and understood

P281 – Use personal protective equipment as required

P264 – Wash face, hands and any exposed skin thoroughly after handling

P270 – Do not eat, drink or smoke when using this product

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray

P271 – Use only outdoors or in a well-ventilated area

P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking

P233 – Keep container tightly closed

P240 – Ground/bond container and receiving equipment

P243 – Take precautionary measures against static discharge

P241 – Use explosion-proof electrical/ ventilating/ lightning/ equipment

P235 – Keep cool

P308 + P313 – IF exposed or concerned: Get medical advice/attention

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 – If eye irritation persists: Get medical advice/attention

P363 – Wash contaminated clothing before reuse

P332 – P313 – If skin irritation occurs: Get medical advice/attention

P304 + P340 – IF INHALED: Remove victim to fresh air and keep it rest in a position comfortable for breathing

P330 – Rinse mouth

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 – Do NOT induce vomiting

In case of fire: Use CO₂, dry chemical, or foam to extinguish

P405 – Store locked up

P403 + P233 – Store in a well-ventilated place. Keep container tightly closed

2.3 Other hazards

No information available

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name	EG-No.	CAS No.	Weight-%	Classification according to Regulation (EG) Nr. 1272/2008 [CLP]	REACH Registration Number
HEPTANE	205-563-8	142-82-5	30 - 60	Skin Irrit. 2 (H315) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 2 (H225)	No data available
ALDEHYDE-AMINE CONDENSATE	252-091-3	34562-31-7	10 - 30	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available
Isopropyl Alcohol	200-661-7	67-63-0	10 - 30	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	No data available

Full text of H- and EUH-phrases: see section 16

4 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.
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.
Eye contact	Rinse thoroughly with plenty of water for at least 12 minutes, lifting lower and upper eyelids. Consult a physician.
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.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available

4.3 Indication of any immediate medical attention and special treatment needed

Note to physician Treat symptomatically

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use CO₂, dry chemical, or foam

Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixture

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

Hazardous combustion products: Carbon oxides. Nitrogen oxides (NO_x).

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

6 ACCIDENTAL RELEASE MEASURES

6.1 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.

6.2 Environmental precautions

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

6.3 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 Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

6.4 Reference to other sections

See Section 8 for more information. See Section 13 for more information.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling. Wash contaminated clothing before reuse.

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

7.2 Conditions for safe storage, including and incompatibilities

Storage Conditions Keep at temperatures between 7 and 29 °C. Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials Acids. Strong oxidizing agents.

7.3 Specific end use(s)

Specific use(s) Adhesives and/or sealants.

Risk management methods (RMM) The information required is contained in this Material Safety Data Sheet

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Chemical Name	EU	United Kingdom	France	Spain	Germany
HEPTANE 142-82-5	TWA 500 ppm TWA 2085 mg/m ³	TWA: 500 ppm TWA: 2085 mg/m ³ STEL: 1500 ppm STEL: 6255 mg/m ³	TWA: 400 ppm TWA: 1668 mg/m ³ TWA: 1000 mg/m ³ STEL: 500 ppm STEL: 2085 mg/m ³ STEL: 1500 mg/m ³	TWA: 500 ppm TWA: 2085 mg/m ³	TWA: 500 ppm TWA: 2100 mg/m ³
ISOPROPYL ALCOHOL 67-63-0	-	TWA: 400 ppm TWA: 999 mg/m ³ STEL: 500 ppm STEL: 1250 mg/m ³	STEL: 400 ppm STEL: 980 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
HEPTANE 142-82-5	TWA: 500 ppm TWA: 2085 mg/m ³	TWA: 500 ppm TWA: 2085 mg/m ³ STEL: 500 ppm	TWA: 1200 mg/m ³ STEL: 1600 mg/m ³	TWA: 300 ppm TWA: 1200 mg/m ³ STEL: 500 ppm STEL: 2100 mg/m ³	TWA: 200 ppm TWA: 820 mg/m ³
ISOPROPYL ALCOHOL 67-63-0	-	TWA: 200 ppm STEL: 400 ppm	-	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³	TWA: 200 ppm TWA: 490 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
HEPTANE 142-82-5	TWA: 500 ppm TWA: 2000 mg/m ³ STEL 2000 ppm STEL 8000 mg/m ³	TWA: 400 ppm TWA: 1600 mg/m ³ STEL: 400 ppm STEL: 1600 mg/m ³	STEL: 2000 mg/m ³ TWA: 1200 mg/m ³	TWA: 200 ppm TWA: 800 mg/m ³ TWA: 40 ppm TWA: 275 mg/m ³ STEL: 250 ppm STEL: 1000 mg/m ³ STEL: 60 ppm STEL: 343.75 mg/m ³	TWA: 500 ppm TWA: 2085 mg/m ³ STEL: 1500 ppm STEL: 6255 mg/m ³
ISOPROPYL ALCOHOL 67-63-0	TWA: 200 ppm TWA: 500 mg/m ³ STEL 800 ppm STEL 2000 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 400 ppm STEL: 1000 mg/m ³	STEL: 1200 mg/m ³ TWA: 900 mg/m ³	TWA: 100 ppm TWA: 245 mg/m ³ STEL: 125 ppm STEL: 306.25 mg/m ³	TWA: 200 ppm STEL: 400 ppm Sk*

Chemical Name	EU	United Kingdom	France	Spain	Germany
ISOPROPYL ALCOHOL 67-63-0	-	-	-	40	25 mg/L
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
ISOPROPYL ALCOHOL 67-63-0	-	25	-	-	-

Derived No Effect Level (DNEL)

No information available.

Predicted no effect concentration (PNEC)

No information available.

8.2 Exposure Controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

Wear protective gloves. Gloves made of plastic or rubber.

Skin and body protection

Suitable protective clothing.

Respiratory protection

In case on insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear
Odor	Aliphatic hydrocarbons
Color	Amber – light yellow
Odor threshold	No information available

Property	Values	Remarks/Methods
pH	Does not apply	
Melting point / freezing point		No information available
Boiling point / boiling range	>80 °C / 176 °F	
Flash point	>-4 °C / 28 °F	
Evaporation rate		No information available
Flammability (solid/gas)		No information available
Upper flammability limit in Air:	6.7%	
Lower flammability limit in Air:	1.0%	
Vapor pressure	35 mm HG at 68°F	
Vapor density	>1	
Relative density	0.75	
Water solubility	Negligible	
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

9.2 Other information

Softening point	No information available
Molecular weight	No information available
VOC content (%)	No information available
Density	No information available
Bulk density	No information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions

Explosion data:

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing

10.4 Conditions to avoid

Keep away from heat, sparks and open flame. Incompatible materials.

10.5 Incompatible materials

Acid. Strong oxidizing agents.

10.6 Hazardous decomposition products

None known.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product information:

Inhalation No data available

Eye contact No data available

Skin contact No data available

Ingestion No data available

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

ATEmix (oral) 2,071.10 mg/kg

ATEmix (dermal) 2,143.90 mg/kg ppm

ATEmix (inhalation-dust/mist) 132.90 mg/l

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation
HEPTANE		= 3000 mg/kg (Rabbit)	= 103 g/m ³ (Rat) 4h
ISOROPYL ALCOHOL	=1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 ppm (Rat) 4h

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Sensitization	No information available.
Germ Cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
HEPTANE	-	375.0: 96 h Cichlid fish mg/L LC50	10: 24 h Daphnia magna mg/L EC50
ISOPROPYL ALCOHOL	1000: 72 h Desmodesmus subspicatus mg/L EC50 1000: 96 h Desmodesmus subspicatus mg/L EC50	1400000: 96 h Lepomis macrochirus µg/L LC50 11130: 96 h Pimephales promelas mg/L LC50 static 9640: 96 h Pimephales promelas mg/L LC50 flow-trough	13299: 48 h Daphnia magna mg/L EC50

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Chemical name	Partition coefficient
HEPTANE	4.66
ISOPROPYL ALCOHOL	0.05

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPVB assessment

No information available.

12.6 Other adverse effects

No information available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

**Waste from residues/
unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal

14 TRANSPORT INFORMATION

IMDG

14.1 UN/ID-No.	UN1993
14.2 Proper shipping name	Flammable Liquid, n.o.s. (Heptane, Isopropyl Alcohol)
14.3 Hazard Class	3
14.4 Packing Group	II
14.5 Marine pollutant	Yes
14.6 Special Provisions	None
14.7 Transport in bulk	No information available
according appendix II of MARPOL 73/78 and the IBC-Code	

IATA

14.1 UN/ID-No.	UN1993
14.2 Proper shipping name	Flammable Liquid, n.o.s. (Heptane, Isopropyl Alcohol)
14.3 Hazard Class	3
14.4 Packing Group	II
14.5 Environmental hazard	Yes
14.6 Special Provisions	May Qualify as Consumer Commodity ID8000 (Not more than 500 ml)

DOT

14.1 UN/ID-No.	UN1993
14.2 Proper shipping name	Flammable Liquid, n.o.s. (Heptane, Isopropyl Alcohol)
14.3 Hazard Class	3
14.4 Packing Group	II
14.6 Special Provisions	Consumer Commodity ORM-D (Not more than 1 Liter)

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
HEPTANE 142-82-5	RG 84	-
ISOPROPYL ALCOHOL 67-63-0	RG 84	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006, (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006, (REACH), Annex XVII)

Persistent Organic Pollutants Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

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 State Regulations

California Proposition 65 This product does not contain any Proposition 65 chemicals

15.2 Chemical safety assessment

No information available.

16 OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H225 – Highly flammable liquid and vapor
H302 – Harmful if swallowed
H304 – may be fatal if swallowed and enters airways
H312 – Harmful in contact with skin
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H335 – May cause respiratory irritation
H336 – May cause drowsiness or dizziness
H400 – Very toxic to aquatic life
H410 – Very toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern of Authorization

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)
Ceiling Maximum limit value

STEL STEL (Short term Exposure Limit)
* Skin designation

Prepared by	SDS coordinator
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Revision Note	Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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