

Safety Data Sheet acc. to OSHA HCS

Date of issue: 06/03/2025

Reviewed on 05/30/2025

1 Identification

- Product identifier

- **Trade name:** Torque-Lok™ Threadlocker Primer

- Other means of identification

- **Part number:** 80153

- **Application of the substance / the mixture** Primer/ Subcoating

- Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**

Kimball Midwest

- 4800 Roberts Road

- Columbus Ohio

- 43228

- Phone: 800-233-1294

- **Information department:** Product Safety Department

- Emergency telephone number:

United States: 1-800-424-9300

2 Hazard(s) identification

- Classification of the substance or mixture



GHS02 Flame

Aerosols 1

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



GHS08 Health hazard

Carcinogenicity 2

H351

Suspected of causing cancer.

Aspiration hazard 1

H304

May be fatal if swallowed and enters airways.



GHS07

Skin irritation 2

H315

Causes skin irritation.

Specific target organ toxicity (single exposure) 3

H336

May cause drowsiness or dizziness.

- Label elements

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms



GHS02 GHS07 GHS08

- Signal word

Danger

- Hazard-determining components of labeling:

Heptane, branched, cyclic and linear

methyl isobutyl ketone

HEPTANE

- Hazard statements

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H315 Causes skin irritation.

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

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- Precautionary statements

- P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P280 Wear protective gloves.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P302+P352 If on skin: Wash with plenty of water.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a poison center/doctor if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Other hazards

- Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

- Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

- Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

* 3 Composition/information on ingredients

- Chemical characterization: Mixtures

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 426260-76-6	Heptane, branched, cyclic and linear	60-70%
	Flammable liquids 2, H225; Aspiration hazard 1, H304; Skin irritation 2, H315; Specific target organ toxicity (single exposure) 3, H336	
CAS: 68476-86-8	Petroleum gases, liquefied, sweetened	30-40%
	Flammable Gases 1, H220; Gases under pressure - Compressed gas, H280	
CAS: 64-17-5	ETHANOL	1-10%
	Flammable liquids 2, H225	
CAS: 142-82-5	HEPTANE	1-10%
	Flammable liquids 2, H225; Aspiration hazard 1, H304; Skin irritation 2, H315; Specific target organ toxicity (single exposure) 3, H336	
CAS: 68084-48-0	Copper(2+) neodecanoate	1-10%
	Acute toxicity - oral 4, H302	
CAS: 67-56-1	methanol	0.1 - < 1.0%
	Flammable liquids 2, H225; Acute toxicity - oral 3, H301; Acute toxicity - dermal 3, H311; Acute toxicity - inhalation 3, H331; Specific target organ toxicity (single exposure) 1, H370	
CAS: 108-10-1	methyl isobutyl ketone	<0.1%
	Flammable liquids 2, H225; Carcinogenicity 2, H351; Acute toxicity - inhalation 4, H332; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H336	

4 First-aid measures

- Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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5 Fire-fighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 - **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
 - **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Wear protective clothing.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
Do not spray on a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurized containers.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:**
Keep receptacle tightly sealed.
Do not gas tight seal receptacle.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
At this time, the other constituents have no known exposure limits.

CAS: 64-17-5 ETHANOL

PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm
A3	

CAS: 142-82-5 HEPTANE

PEL	Long-term value: 2000 mg/m ³ , 500 ppm
REL	Long-term value: 350 mg/m ³ , 85 ppm
	Ceiling limit value: 1800* mg/m ³ , 440* ppm
	*15-min
TLV	Short-term value: 400 ppm
	Long-term value: 200 ppm
OTO	

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CAS: 67-56-1 methanol	
PEL	Long-term value: 260 mg/m ³ , 200 ppm
REL	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
TLV	Short-term value: 328 mg/m ³ , 250 ppm Long-term value: 262 mg/m ³ , 200 ppm Skin; BEI
CAS: 108-10-1 methyl isobutyl ketone	
PEL	Long-term value: 410 mg/m ³ , 100 ppm
REL	Short-term value: 300 mg/m ³ , 75 ppm Long-term value: 205 mg/m ³ , 50 ppm
TLV	Short-term value: 307 mg/m ³ , 75 ppm Long-term value: 82 mg/m ³ , 20 ppm BEI, A3
- Ingredients with biological limit values:	
CAS: 67-56-1 methanol	
BEI	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
CAS: 108-10-1 methyl isobutyl ketone	
BEI	1 mg/L Medium: urine Time: end of shift Parameter: Methyl isobutyl ketone

- Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls

- Appropriate engineering controls No further data; see section 7.

- Personal protective equipment:

- General protective and hygienic measures: Wash hands before breaks and at the end of work.

- Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:



Tightly sealed goggles

- Body protection: Protective work clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Physical state

Aerosol

- Color:

Clear

- Odor:

Acetone-like

- Odor threshold:

Not determined.

- Melting point/Melting range:

-94.7 °C (-138.5 °F)

- Boiling point/Boiling range:

≥ 36 °C (≥ 96.8 °F)

- Flammability:

Not applicable.

- Explosion limits:

- Lower:

1 Vol %

- Upper:

9.5 Vol %

- Flash point:

≥ -97 °C (≥ -142.6 °F)

- Auto igniting:

465 °C (869 °F)

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- Decomposition temperature:	Not determined.
- pH-value:	Not determined.
- Viscosity:	
- Kinematic:	Not determined.
- Dynamic at 20 °C (68 °F):	32 mPas
- Solubility in / Miscibility with	
- Water:	Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water):	Not determined.
- Vapor pressure at 20 °C (68 °F):	≤ 59 hPa (≤ 44.3 mm Hg)
- Vapor pressure at 50 °C (122 °F):	≤ 280 hPa (≤ 210 mm Hg)
- Density at 20 °C (68 °F):	~ 0.66 g/cm ³ (~ 5.5077 lbs/gal)
- Relative density	Not determined.
- Vapor density	Not determined.
- Particle characteristics	Not applicable.
- Other information	
- Appearance:	
- Form:	Fluid
- Important information on protection of health and environment, and on safety.	
- Ignition temperature:	Product is not selfigniting.
- Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- Solvent content:	
- Organic solvents:	2.2 – < 21.1 %
- VOC content:	2.2 – < 21.1 % ~ 139.3 g/l / ~ 1.16 lb/gal
- Solids content:	0.0 %
- Change in condition	
- Evaporation rate	Not applicable.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:**

- LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral	LD50	3,000 – 250,000 mg/kg (rat)
Inhalative	LC50/4 h	> 300 – 3,000 mg/l

CAS: 64-17-5 ETHANOL

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

CAS: 68084-48-0 Copper(2+) neodecanoate

Oral	LD50	300 – 2,500 mg/kg (rat)
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CAS: 67-56-1 methanol

Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
Inhalative	LC50/4 h	3 mg/l (ATE)

CAS: 108-10-1 methyl isobutyl ketone

Oral	LD50	2,080 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE)

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8.3 – 16.6 mg/l (rat)	
- Primary irritant effect: - on the skin: No irritant effect. - on the eye: No irritating effect. - Sensitization: No sensitizing effects known.	
- Additional toxicological information: - Interactive effects No interactive effects between components are known.	
- Carcinogenic categories - IARC (International Agency for Research on Cancer)	
CAS: 64-17-5	ETHANOL 1
CAS: 108-10-1	methyl isobutyl ketone 2B
- NTP (National Toxicology Program) None of the ingredients is listed.	
- OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed.	
- Alternative sources for toxicological information No non-standard sources for toxicological information where used.	

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **Other adverse effects**
 - **Remark:** Toxic for fish
- **Additional ecological information:**
 - **General notes:**
 Water hazard class 2 (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.
 Also poisonous for fish and plankton in water bodies.
 Toxic for aquatic organisms

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- UN-Number - DOT, IMDG, IATA		UN1950
- UN proper shipping name - DOT - IMDG - IATA		Aerosols, flammable AEROSOLS, MARINE POLLUTANT AEROSOLS, flammable
- Transport hazard class(es) - DOT  		
- Class		2.1 Gases

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- Label	2.1
- IMDG	
 	
- Class	2.1 Gases
- Label	2.1
- IATA	
	
- Class	2.1 Gases
- Label	2.1
- Packing group	
- DOT, IMDG, IATA	not regulated
- Environmental hazards:	Product contains environmentally hazardous substances: HEPTANE
- Marine pollutant:	No Yes (DOT) Symbol (fish and tree)
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
- Transport/Additional information:	
- DOT	
- Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
- Remarks:	Special marking with the symbol (fish and tree).
- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
- Special precautions for user	Warning: Gases
- Hazard identification number (Kemler code):	-
- EMS Number:	F-D,S-U
- Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
- UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

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

No further relevant information available.

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):

CAS: 67-56-1 methanol

CAS: 108-10-1 methyl isobutyl ketone

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- TSCA (Toxic Substances Control Act):	
Heptane, branched, cyclic and linear	ACTIVE
ETHANOL	ACTIVE
HEPTANE	ACTIVE
Copper(2+) neodecanoate	ACTIVE
methanol	ACTIVE
methyl isobutyl ketone	ACTIVE
- Hazardous Air Pollutants	
CAS: 67-56-1 methanol	
CAS: 108-10-1 methyl isobutyl ketone	
- Proposition 65	
- Chemicals known to cause cancer:	
CAS: 108-10-1 methyl isobutyl ketone	
- Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
- Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
- Chemicals known to cause developmental toxicity:	
CAS: 67-56-1 methanol	
CAS: 108-10-1 methyl isobutyl ketone	
- Carcinogenic categories	
- EPA (Environmental Protection Agency)	
CAS: 142-82-5 HEPTANE	D
CAS: 108-10-1 methyl isobutyl ketone	I
- TLV (Threshold Limit Value)	
CAS: 64-17-5 ETHANOL	A3
- NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing SDS: ND Industries, Inc. - Safety, Health and Environmental Affairs

- Contact: Safety, Health and Environmental Affairs

- Classification System:

- HMIS-ratings (scale 0 - 4)

HEALTH	1	Health = 1
FIRE	4	Fire = 4
REACTIVITY	3	Reactivity = 3

- NFPA ratings (scale 0 - 4)

1	4	0	Health = 1
			Fire = 4
			Reactivity = 0

- Date of previous version 05/28/2025

- Version number of previous version: 12

- Date of preparation 06/03/2025

- Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit

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REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flammable Gases 1: Flammable gases – Category 1
Aerosols 1: Aerosols – Category 1
Gases under pressure - Compressed gas: Gases under pressure – Compressed gas
Flammable liquids 2: Flammable liquids – Category 2
Acute toxicity - oral 3: Acute toxicity – Category 3
Acute toxicity - oral 4: Acute toxicity – Category 4
Skin irritation 2: Skin corrosion/irritation – Category 2
Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
Carcinogenicity 2: Carcinogenicity – Category 2
Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1
Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3
Aspiration hazard 1: Aspiration hazard – Category 1

- * **Data compared to the previous version altered.**

- **Disclaimer**

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that the supplier believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of the supplier's control, the supplier makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.