



### 1. Identification

Product identifier	ACTIVATOR URE PRIMER/SU	JRFACER
Other means of identification		
Product Code	2815-4	
Recommended use	Automotive Refinish Hardener/	Activator
Manufacturer/Importer/Supplier/	Distributor information	
Manufacturer		
Company name	Quest Automotive Products	
Address	600 Nova Drive SE	
	Massillon, OH 44646	
	United States	
Telephone	General Assistance	(330) 830-6000
E-mail	rpandrus@quest-ap.com	
Contact person	Ron Andrus	
Emergency phone number	CHEMTREC	(800) 424-9300

### 2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		



### Signal word Hazard statement

#### Precautionary statement Prevention

Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause genetic defects. May cause cancer.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

Response	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a poison center/doctor. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	45.63% of the mixture consists of component(s) of unknown acute inhalation toxicity.

### 3. Composition/information on ingredients

Mixtures
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Chemical name	Common name and synonyms	CAS number	%
2,6-Dimethyl-4-heptanone		108-83-8	20 to <30
homopolymer of HDI		28182-81-2	20 to <30
n-butyl acetate		123-86-4	1 to <5
light aromatic solvent naphtha		64742-95-6	0.1 to <1
Other components below reportable	levels		40 to <50

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or Inhalation artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician. Remove contaminated clothing immediately and wash skin with soap and water. In case of Skin contact eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Ingestion Dizziness. Headache. Irritation of eyes. Exposed individuals may experience eye tearing, redness, Most important and discomfort. May cause respiratory irritation. Difficulty in breathing. Skin irritation. May cause symptoms/effects, acute and redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. delayed Indication of immediate Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water medical attention and special immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under treatment needed observation. Symptoms may be delayed. Take off all contaminated clothing immediately. IF exposed or concerned: Get medical **General information** advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. 5. Fire-fighting measures Suitable extinguishing media Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2). Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source Specific hazards arising from of ignition and flash back. During fire, gases hazardous to health may be formed. the chemical Special protective equipment Self-contained breathing apparatus and full protective clothing must be worn in case of fire. and precautions for firefighters Fire fighting

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials.

equipment/instructions

Specific methods

### 6. Accidental release measures

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Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

## Occupational exposure limits

Components	Туре	Value	
2,6-Dimethyl-4-heptanone (CAS 108-83-8)	PEL	290 mg/m3	
		50 ppm	
n-butyl acetate (CAS 123-86-4)	PEL	710 mg/m3	
		150 ppm	
US. ACGIH Threshold Limit Value	S		
Components	Туре	Value	
2,6-Dimethyl-4-heptanone (CAS 108-83-8)	TWA	25 ppm	
n-butyl acetate (CAS 123-86-4)	STEL	200 ppm	
,	TWA	150 ppm	
US. NIOSH: Pocket Guide to Cher	nical Hazards		
Components	Туре	Value	
2,6-Dimethyl-4-heptanone (CAS 108-83-8)	TWA	150 mg/m3	
· ·		25 ppm	

US. NIOSH: Pocket Guide	to Chemical Hazards	
Components	Туре	Value
n-butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
		200 ppm
	TWA	710 mg/m3
		150 ppm
Biological limit values	No biological exposure limits noted for	the ingredient(s).
Appropriate engineering controls	changes per hour) should be used. Ve applicable, use process enclosures, lo maintain airborne levels below recomr	aust ventilation. Good general ventilation (typically 10 air entilation rates should be matched to conditions. If local exhaust ventilation, or other engineering controls to mended exposure limits. If exposure limits have not been o an acceptable level. Eye wash facilities and emergency ing this product.
ndividual protection measure	s, such as personal protective equipme	ent
Eye/face protection	Wear safety glasses with side shields	(or goggles).
Skin protection		
Hand protection	Wear appropriate chemical resistant g supplier.	loves. Suitable gloves can be recommended by the glove
Other	Wear appropriate chemical resistant c	lothing.
Respiratory protection	Wear positive pressure self-contained	breathing apparatus (SCBA).
Thermal hazards	Wear appropriate thermal protective c	lothing, when necessary.
General hygiene considerations	after handling the material and before	serve good personal hygiene measures, such as washing eating, drinking, and/or smoking. Routinely wash work emove contaminants. Contaminated work clothing should not

## 9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Clear colorless or nearly colorless
Odor	Solvent.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-42.7 °F (-41.5 °C) estimated
Initial boiling point and boiling	282.74 °F (139.3 °C) estimated
range	
Flash point	116.0 °F (46.7 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	0.8 % estimated
Flammability limit - upper (%)	6.2 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	7.07 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.

Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	745 °F (396.11 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	8.89 lbs/gal
Flammability class	Combustible II estimated
Percent volatile	75.68 %
Specific gravity	1.07
VOC	3 Ib/gal Material 4.4 Ib/gal Regulatory 355 g/l Material 521 g/l Regulatory 2.963063959444887 Ibs/gal Material 4.3500914736770086 Ibs/gal Regulatory 355.06395426028081 g/l Material 521.27146129071593 g/l Regulatory

## 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Headache. Dizziness. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. May cause respiratory irritation. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

Acute toxicity

Toxic if inhaled. May cause an allergic skin reaction. May cause respiratory irritation.

Components	Species	Test Results
2,6-Dimethyl-4-heptanone	(CAS 108-83-8)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	16200 mg/kg
	Rat	> 2000 mg/kg
Inhalation		
LC50	Rat	> 5 mg/l, 4 Hours
Oral		
LD50	Mouse	1416 mg/kg
	Rat	5285 mg/kg

Components	Species	Test Results	
n-butyl acetate (CAS 123-86-4)			
<u>Acute</u> Inhalation			
LC50	Wistar rat	160 mg/l, 4 Hours	
Oral			
LD50	Rat	14000 mg/kg	
* Estimates for product may b	e based on additional compon	ent data not shown.	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Causes eye irritation.		
Respiratory or skin sensitizatior	1		
Respiratory sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled.		
Skin sensitization	May cause an allergic skin reaction.		
Germ cell mutagenicity	May cause genetic defects.		
Carcinogenicity	May cause cancer.		
OSHA Specifically Regulate Not listed.	d Substances (29 CFR 1910.	1001-1050)	
Reproductive toxicity	This product is not expected	to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	May cause respiratory irritation.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Prolonged inhalation may be	e harmful.	
12. Ecological information			
•		as any ironmontally becardous. However, this does not evaluate the	
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.		
Components	Species	Test Results	
n-butyl acetate (CAS 123-86-4	1)		
<b>Aquatic</b> Fish	LC50 Fathead min	now (Rimonholog promotog) 17 10 mg/L 06 hours	
F 1511		now (Pimephales promelas) 17 - 19 mg/l, 96 hours	
* Estimates for product may b	e based on additional compon	ent data not shown.	
Persistence and degradability	No data is available on the d	legradability of this product.	
Bioaccumulative potential			
Partition coefficient n-octan n-butyl acetate	ol / water (log Kow)	1.78	
Mobility in soil	No data available.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		
13. Disposal consideration	IS		
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.		
Local disposal regulations	Dispose in accordance with		
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).		

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

DOT	
UN number	UN1263
UN proper shipping name	Paint, Paint Related Material
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	B1, B52, IB3, T4, TP1, TP29
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1263
UN proper shipping name	Paint, Paint Related Material
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	
Environmental hazards	No.
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed.
aircraft	
Cargo aircraft only	Allowed.
IMDG	
UN number	UN1263
UN proper shipping name	Paint, Paint Related Material
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	
Environmental hazards	
Marine pollutant	No.
EmS	F-E, <u>S</u> - <u>E</u>
	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	
DOT	





### 15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

Listed.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

n-butyl acetate (CAS 123-86-4)

SARA 304 Emergency release notification

Not regulated.

# OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Hazard categories

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No chemical

SARA 313 (TRI reporting) Not regulated.

### Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

#### **US state regulations**

- US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.
- US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

light aromatic solvent naphtha (CAS 64742-95-6)

- US. Massachusetts RTK Substance List
  - 2,6-Dimethyl-4-heptanone (CAS 108-83-8) n-butyl acetate (CAS 123-86-4)
- US. New Jersey Worker and Community Right-to-Know Act 2,6-Dimethyl-4-heptanone (CAS 108-83-8)
  - n-butyl acetate (CAS 123-86-4)
- US. Pennsylvania Worker and Community Right-to-Know Law 2,6-Dimethyl-4-heptanone (CAS 108-83-8) n-butyl acetate (CAS 123-86-4)

#### US. Rhode Island RTK

n-butyl acetate (CAS 123-86-4)

#### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

Issue date Version # HMIS® ratings NFPA ratings	04-23-2015 01 Health: 3* Flammability: 3 Physical hazard: 0 Health: 3
in a runnys	Flammability: 3 Instability: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED TO BE RELIABLE AND THE MANUFACTURER DISCLAIMS ANY LIABILITY INCURRED FROM THE USE OR RELIANCE UPON THE SAME. 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. This safety information is not a license to use this material as claimed by any patents of third parties. The user alone must finally determine whether a contemplated use of this material will infringe any such patents, and for obtaining any required licenses.
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